

CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
A01	.770 19.56	.800 20.32	.385 9.78	.400 10.16	.370 9.40	.400 10.16	.200 5.08	.20 5.08	.14 3.56	.031 .79									5.2	A1,B3,E1,B7
A03	.480 12.19	.500 12.70	.390 9.91	.405 10.29	.210 5.33	.230 5.84	.100 2.54	.20 5.08	.14 3.56	.020 .51									2.3	A1,B4,E1,B7
A04	.770 19.56	.800 20.32	.200 5.08	.210 5.33	.370 9.40	.400 10.16	.200 5.08	.20 5.08	.14 3.56	.031 .79									3.7	A1,B3,E1,B7
A05	.770 19.56	.800 20.32	.240 6.10	.250 6.35	.370 9.40	.400 10.16	.200 5.08	.20 5.08	.14 3.56	.031 .79									3.7	A1,B3,E1,B7
A06	.770 19.56	.800 20.32	.285 7.24	.310 7.87	.370 9.40	.400 10.16	.200 5.08	.20 5.08	.14 3.56	.031 .79									5.2	A1,B3,E1,B7
A11	.480 12.19	.500 12.70	.240 6.10	.255 6.48	.210 5.33	.230 5.84	.100 2.54	.20 5.08	.14 3.56	.020 .51									1.9	A1,B4,E1,B7
B02	.480 12.19	.500 12.70	.240 6.10	.255 6.48	.210 5.33	.230 5.84	.16 4.06	.100 2.54	.14 3.56	.020 .51									1.9	A1,B4,E1,B7
B13	.480 12.19	.500 12.70	.390 9.91	.405 10.29	.210 5.33	.230 5.84	.16 4.06	.100 2.54	.14 3.56	.020 .51									2.3	A1,B4,E1,B7
C07	.770 19.56	.810 20.57	.380 9.65	.410 10.41	.030 .76	.200 5.08	.20 5.08	.14 3.56											11.0	A1,E1,B7
C145	.770 19.56	.810 20.57	.380 9.65	.410 10.41	.030 .76	.200 5.08	.20 5.08	.14 3.56											11.0	A1,E1,B7
D08	1.000 25.40	1.025 26.04	.390 9.91	.430 10.92	.500 12.70	.525 13.34	.025 .64	.300 7.62	.200 5.08	.09 2.29	.13 3.30	.150 3.81	.20 5.08	.14 3.56					8.5	A1,E1,B7
D09	1.000 25.40	1.025 26.04	.240 6.10	.280 7.11	.500 12.70	.525 13.34	.025 .64	.300 7.62	.200 5.08	.09 2.29	.13 3.30	.150 3.81	.20 5.08	.14 3.56					7.5	A1,E1,B7
E10	1.580 40.13	1.620 41.15	.380 9.65	.410 10.41	.770 19.56	.810 20.57	.030 .76	.200 5.08	.20 5.08	.10 2.54	.20 5.08	.14 3.56							23.0	A1,E1,B7
F14	2.00 50.80	2.00 50.80	.75 19.05	1.00 25.40	.25 6.35	1.500 38.10	.125 3.18	.39 9.91	1.00 25.40	.50 12.70	1.00 25.40								170.0	A10, C1,D2
F53	2.00 50.80	2.0 50.80	.75 19.05	1.00 25.40	.13 3.30	1.750 44.45	.125 3.18	.39 9.91	1.00 25.40	.50 12.70	1.00 25.40								170.0	A10, C1,D2
F183	1.26 32.00	1.00 25.40	.70 17.78	.200 5.08	.200 5.08	.860 21.84	.125 3.18	.35 8.89	.63 16.00	.50 12.70									24	A4,B1,D17
G15	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.38 9.65	.61 15.49	—	.80 20.32	.80 20.32	.76 19.30	.125 3.18	1.688 42.88	2.18 55.37	.75 19.05	.07 1.78				85.0	A10,A18,B1, D1,D7
G144	1.25 31.75	1.25 31.75	—	.63 16.00	.38 9.65	.61 15.49	—	—	—	.76 19.30	.125 3.18	1.688 42.88	2.18 55.37	.75 19.05	.07 1.78				85.0	A10,A18, B6,D6
H16	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.38 9.65	1.000 25.40	.125 3.18	1.000 25.40	—	—	.125 3.18	1.688 42.88	2.18 55.37	.75 19.05	.07 1.78				70.00	A10,A18,B1, D2,D3,D4
J17	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.38 9.65	1.000 25.40	.125 3.18	1.000 25.40	—	—	.125 3.18	1.688 42.88	2.18 55.37	.75 19.05	.07 1.78				75.0	A10,A18, B1,D2,D3
K18	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.38 9.65	1.000 25.40	.125 3.18	1.000 25.40	—	—	.125 3.18	1.688 42.88	2.18 55.37	.75 19.05	.07 1.78				70.0	A10,A18,B1, C1,D2,D3
K558	1.25 31.75	1.25 31.75	.94 23.88	.63 16.00	.47 11.94	1.000 25.40	.125 3.18	1.000 25.40											117.0	A4,C1, D14
L19	1.50 38.10	1.13 28.70	1.00 25.40	.50 12.70	.155 3.94	2.345 59.56	.138 3.51	.987 25.07	2.50 63.50	.10 2.54	.31 7.87	1.19 30.23	—	.66 16.76	—	—	.150 3.81		37.0	A6,A11,A18, B2,D6
L20	2.25 57.15	1.38 35.05	1.24 31.50	.50 12.70	.150 3.81	3.100 78.74	.138 3.51	1.238 31.45	3.25 82.55	.10 2.54	.40 10.16	1.86 47.24	—	.64 16.26	—	—	.150 3.81		74.0	A6,A11,A18, B2,D5
M21	1.50 38.10	1.13 28.70	1.00 25.40	.50 12.70	.155 3.94	2.345 59.56	.138 3.51	.987 25.07	2.50 63.50	.10 2.54	.31 7.87	.75 19.05	1.19 30.23	.66 16.76	—	—	.150 3.81		40.0	A6,A11,A18, B2,C1,D6
M22	2.25 57.15	1.38 35.05	1.24 31.50	.50 12.70	.150 3.81	3.100 78.74	.138 3.51	1.238 31.45	3.25 82.55	.10 2.54	.40 10.16	1.15 29.21	1.86 47.24	.64 16.26	—	—	.150 3.81		74.0	A6,A11,A18, B2,C1,D5

tolerance .x±.1 .xx±.03 .xxx±.015 inch

oz. = grams x.0353

* NOTES:

A. MATERIAL AND FINISH

- A1. Header material: C.R.S. Pin material: #52 alloy. Finish: electro tin, hot-oil flowed. Cover material: cupro-nickel.
- A4. Case material: aluminum alloy. Finish: iridite per MIL-C-5541
- A6. Case material: aluminum alloy. Finish: blue paint over iridite.
- A10. Case material: aluminum alloy. Finish: grey paint or yellow iridite.
- A11. Case material: aluminum alloy. Finish: blue anodized.
- A18. Mounting bracket finish: iridite or clear anodize.

B. MOUNTING

- B1. Mounting bracket available on request. Add suffix B to part number.
- B2. Mounting bracket available on request. For bracket mounted on connector end add suffix B to part number and \$5.00 to unit cost. For bracket mounted on the rear, add suffix BR to part number and add \$1.50 to unit cost.
- B3. Insulated spacer available. Request P/N B14-045-01.
- B4. Insulated spacer available. Request P/N B-14-047-01.
- B6. Bracket version only.
- B7. Pin's meniscus (of header): 0.015" max.

C. MARKING

- C1. For port markings 1, 2, and 3 see specification data sheet.

D. CONNECTORS

- D1. Connectors: SMA Standard. BNC on request (no charge). Male SMA on request, consult factory.
- D2. Connectors: please specify, unless otherwise noted; BNC is standard, TNC, SMA and Type N, consult factory. (ZAPD -4 units not available with BNC).
- D3. For Bracket Version, Option B, this dimension, "C*", changes from 0.75 to 0.94 inches when connectors are type N or TNC.
- D4. FTB Models available:
 - *A15 female BNC/isolated female BNC.
 - *C15 male BNC/isolated female BNC.
 FT Models available:
 - *A16 female BNC/female BNC 75 ohms.
 - *B16 female BNC/male BNC 75 ohms.
 - *C16 male BNC/female BNC 75 ohms.
- D5. Connectors: BNC standard, TNC consult factory.
- D6. Connectors: Female SMA only. Male SMA available on request, consult factory.
- D7. For ZFSC-5 a fifth connector is offered as Port 5 in-line and opposite of sum(s) port.
- D14. Connectors: Male N, Female N standard.
- D17. Connectors: Female SMA only.

E. SPECIAL TOLERANCES

- E1. Pin diameter ±.005 inch.

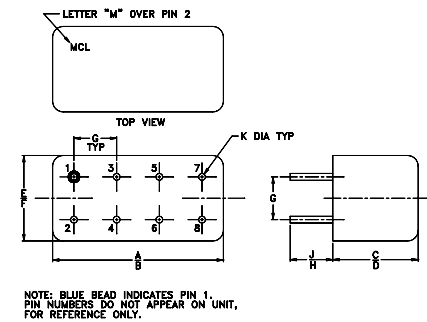


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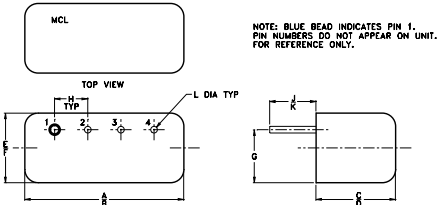
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OUTLINE DRAWINGS

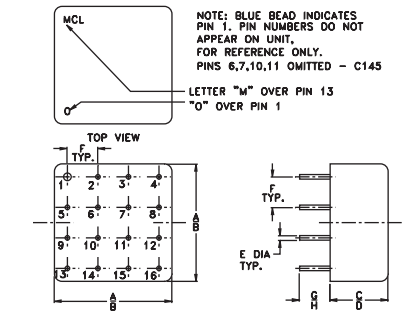
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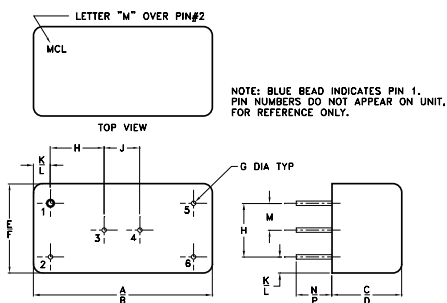
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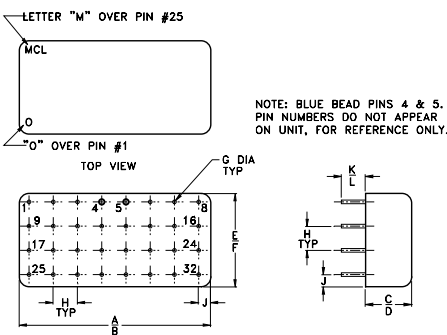
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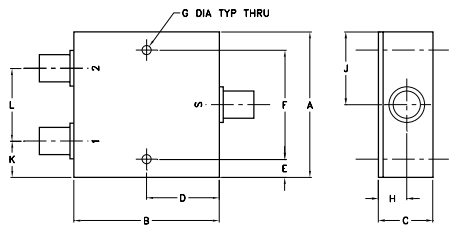
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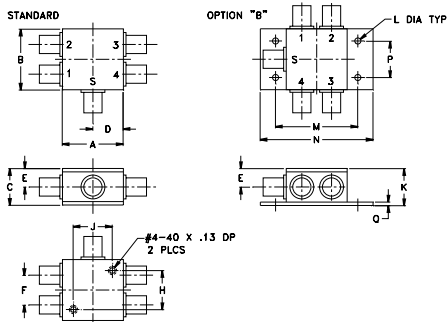
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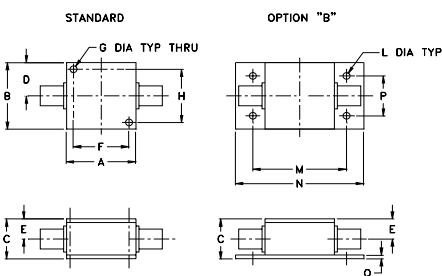
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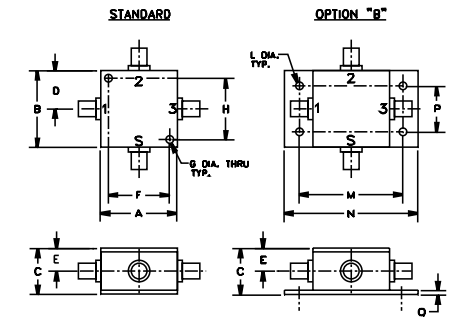
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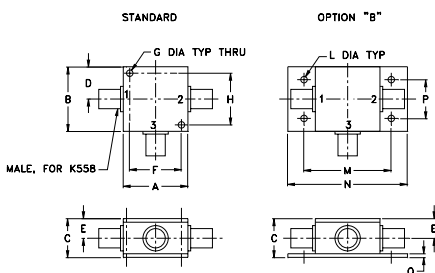
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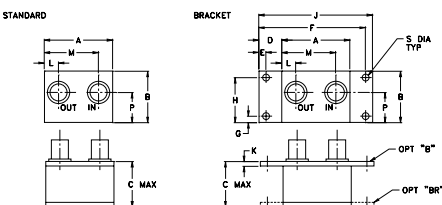
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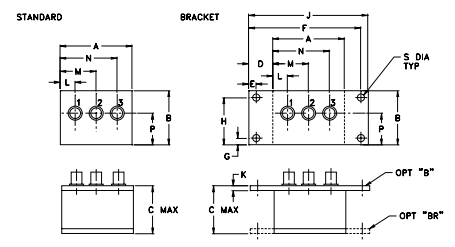
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L



M



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
N24	1.50 38.10	1.13 28.70	1.00 25.40	.50 12.70	.155 3.94	2.345 59.56	.138 3.51	.987 25.07	2.50 63.50	.10 2.54	.32 8.13	.75 19.05	1.18 29.97	.31 7.87	.56 14.22	.81 20.57	.150 3.81		45.0	A6, A11, A18, B2, D6
N27	2.25 57.15	1.38 35.05	1.24 31.50	.50 12.70	.150 3.81	3.100 78.74	.138 3.51	1.238 31.45	3.25 82.55	.10 2.54	.48 12.19	1.13 28.70	1.78 45.21	.36 9.14	.69 17.53	1.01 25.65	.150 3.81		92.0	A6, A11, A18, B2, D8
P25	2.25 57.15	1.38 35.05	1.24 31.50	.50 12.70	.150 3.81	3.100 78.74	.138 3.51	1.238 31.45	3.25 82.55	.10 2.54	.78 19.81	1.47 37.34	—	.38 9.65	1.00 25.40	—	.150 3.81		86.0	A6, A11, A18, B2, D8
P26	1.50 38.10	1.13 28.70	1.00 25.40	.50 12.70	.155 3.94	2.345 59.56	.138 3.51	.987 25.07	2.50 63.50	.10 2.54	.50 12.70	1.00 25.40	—	.31 7.87	.81 20.57	—	.150 3.81		42.5	A6, A11, A18, B2, D6
Q28	4.06 103.12	1.60 40.64	1.50 38.10	3.56 90.42	.24 6.10	.88 22.35	.36 9.14	.160 4.06	.4 10.16	.69 17.53	.58 14.73	.66 16.76	3.13 79.50	.8 20.32	.06 1.53				300.0	A10, A18, D9
R29	4.06 103.12	1.60 40.64	1.50 38.10	3.56 90.42	.24 6.10	.88 22.35	.36 9.14	.160 4.06	.4 10.16	.69 17.53	.58 14.73	.66 16.76	3.13 79.50	.8 20.32	.06 1.53				300.0	A10, A18, C2, D9
R30	6.69 169.93	1.60 40.64	1.50 38.10	6.22 157.99	.24 6.10	.88 22.35	.36 9.14	.160 4.06	.40 10.16	.69 17.53	.55 13.97	.66 16.76	5.72 145.29	.81 20.57	.06 1.53				500.0	A10, A18, C2, D9
R31	9.31 236.47	1.60 40.64	1.50 38.10	8.84 224.54	.24 6.10	.88 22.35	.36 9.14	.160 4.06	.40 10.16	.69 17.53	.54 13.72	.66 16.76	8.34 211.84	.81 20.57	.06 1.53				700.0	A10, A18, C2, D9
R67	6.69 169.93	1.60 40.64	1.50 38.10	6.22 157.99	.24 6.10	.88 22.35	.36 9.14	.160 4.06	.40 10.16	.69 17.53	1.22 30.99	.66 16.76	5.72 145.29	.81 20.57	.06 1.53				500.0	A10, A18, D9
S32	3.75 95.25	2.00 50.80	1.8 45.72	.19 4.83	3.375 85.72	.19 4.83	1.625 41.27	.156 3.96	.6 15.24	.4 10.16	.5 12.70	1.30 33.02	.09 2.29	.38 9.65	3.00 76.20	.30 7.62	2.60 66.04		220.0	A7, A18, D9
T34	4.75 120.65	2.00 50.80	2.21 56.13	.19 4.83	4.375 111.13	.23 5.84	1.540 39.12	.144 3.66	.58 14.73	.34 8.64	.50 12.70	1.50 38.10	1.00 25.40	.12 3.05	.38 9.65	4.00 101.60	.30 7.62	2.60 66.04	440.0	A7, A8, A18, D16
T35	4.75 120.65	2.00 50.80	2.40 60.96	.19 4.83	4.375 111.13	.23 5.84	1.540 39.12	.144 3.66	.58 14.73	.34 8.64	.50 12.70	1.50 38.10	1.00 25.40	.12 3.05	.38 9.65	4.00 101.60	1.50 38.10	5.00 127.00	700.0	A7, A8, A18, D16
U36	7.00 177.80	3.25 82.55	2.13 54.10	.25 6.35	6.500 165.10	.38 9.65	2.500 63.50	.156 3.96	.73 18.54	.88 22.35	.63 16.00	1.13 28.70	2.23 56.64	.125 3.17	.50 12.70	6.00 152.40			900.0	A7, A8, A18, D6
V37	.83 21.08	.83 21.08	.75 19.05	.37 9.40	.42 10.67	1.25 31.75	.100 2.54	1.150 29.21	.095 2.41	.735 18.67	.21 5.33	.106 2.69	.06 1.52						34.0	A10, A18, C1, D17
W38	.30 7.62	.27 6.86	.23 5.84	.010 0.25	.042 1.07	.020 0.51	.100 2.54	.05 1.27	.09 2.29	.31 7.87	.036 0.91								.50	A13, E2
X65	.30 7.62	.27 6.86	.23 5.84	.010 0.25	.042 1.07	.020 0.51	.100 2.54	.05 1.27	.04 1.02	.11 2.79	.300 7.62	.35 8.89							.50	A13, E2
Y39	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.36 9.15	1.000 25.4	1.000 25.4	.125 3.2	.125 3.2	.46 11.7	2.18 55.4	1.688 42.9	.06 1.5	.750 19.0	.50 12.7	.80 20.3	.45 11.4	.29 7.4	50.0	A4, A18, B1, D6, D22
Y460	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.36 9.15	1.000 25.4	1.000 25.4	.125 3.2	.125 3.2	.46 11.7	2.18 55.4	1.688 42.9	.06 1.5	.750 19.0	.50 12.7	.80 20.3	.45 11.4	.29 7.4	50.0	A4, A18, B1, D6
Z41	7.06 179.32	3.13 79.50	.88 22.35	.250 6.35	1.750 44.45	5.310 134.87	6.810 172.97	.250 6.35	2.875 73.03	.144 3.66	3.53 89.66	.44 11.18	.415 10.54	.89 22.61					800.0	A10, D11
Z54	3.50 88.90	2.13 54.10	.88 22.35	.250 6.35	—	—	3.250 82.55	—	—	.125 3.17	1.750 44.45	.44 11.18	.415 10.54	.89 22.61	.250 6.35	1.813 46.05			250	A10, D11
Z184	2.26 57.40	2.00 50.80	.70 17.78	.200 5.08	—	—	2.060 52.32	—	—	.125 3.17	1.13 28.70	.35 8.89	.38 9.65	.500 12.70	.200 5.08	—			59	A4, D17
Z259	7.06 179.32	3.13 79.50	.88 22.35	.250 6.35	1.750 44.45	5.310 134.87	6.810 172.97	.250 6.35	2.875 73.03	.144 3.66	3.53 89.66	.44 11.18	1.31 33.27	.89 22.61					800.0	A4, C2 D24
Z667	7.06 179.32	3.13 79.50	1.00 25.40	.250 6.35	1.430 36.32	5.630 143.00	6.810 172.97	.250 6.35	2.875 73.03	.156 3.96	3.53 89.66	.44 11.18	.73 18.54	2.80 71.12					810.0	A4, D25
Z668/689	7.06 179.32	3.13 79.50	1.00 25.40	.250 6.35	1.430 36.32	5.630 143.00	6.810 172.97	.250 6.35	2.875 73.03	.156 3.96	3.53 89.66	.44 11.18	.73 18.54	1.40 35.56					810.0	A4, D25

tolerance .x±.1 .xx±.03 .xxx±.015 inch

oz. = grams x.0353

* NOTES:

A. MATERIAL AND FINISH

- A4. Case material: aluminum alloy. Finish: iridite per MIL-C-5541.
- A6. Case material: aluminum alloy. Finish: blue paint over iridite.
- A7. Case material: aluminum alloy. Finish: case black paint. Heat sink: black anodize. Baseplate iridite per MIL-C-5541.
- A8. Case material: aluminum alloy. Finish: case iridite. Heat sink: black anodize, if supplied with heat sink.
- A10. Case material: aluminum alloy. Finish: grey paint, or yellow iridite.
- A11. Case material: aluminum alloy. Finish: blue anodized.
- A13. Case material: plastic. Lead Finish: tin-lead plate or tin-plate
- A18. Mounting bracket finish: iridite or clear anodize.

B. MOUNTING

- B1. Mounting bracket available on request. Add suffix B to part number.
- B2. Mounting bracket available on request. For bracket mounted on connector end add suffix B to part number and \$5.00 to unit cost. For bracket mounted on the rear, add suffix BR to part number and add \$1.50 to unit cost.

C. MARKING

- C1. For port markings 1, 2, and 3 see specification data sheet.
- C2. Consecutive marking, n = no. of way power-splitter.

D. CONNECTORS

- D6. Connectors: Female SMA only. Male SMA available on request, consult factory.
- D8. Connectors: BNC only.
- D9. Connectors: BNC standard. TNC or Female SMA on request, consult factory.
- D11. Connectors: Please specify: Type N or SMA.
- D16. Connectors: Please specify, unless otherwise noted SMA is standard for model ZHL-2-12 for all other models BNC is standard. TNC, N, or SMA available on request. consult factory.
- D17. Connectors: Female SMA only.
- D22. Gain Control Terminal on Models ZFL-1000G and ZFL-1000GH only.
- D24. Connectors: Female BNC standard. Type N or SMA consult factory.
- D25. Connectors: Female N standard. For other connectors consult factory.

E. SPECIAL TOLERANCES

- E1. Pin diameter ±.005 inch.
- E2. Lead width ±.010; lead thickness ±.003 inch.

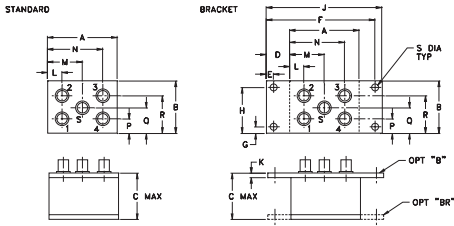


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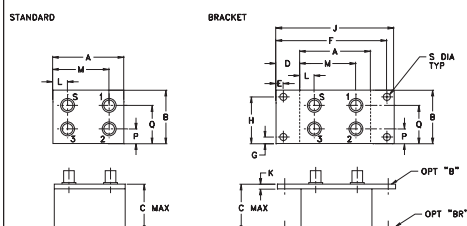
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OUTLINE DRAWINGS

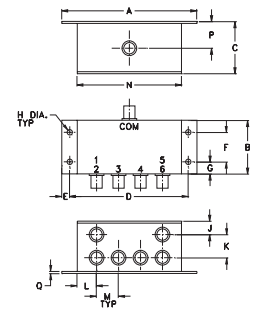
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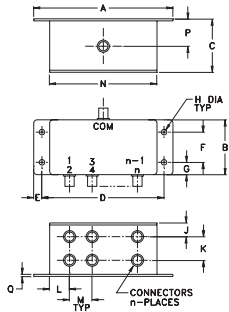
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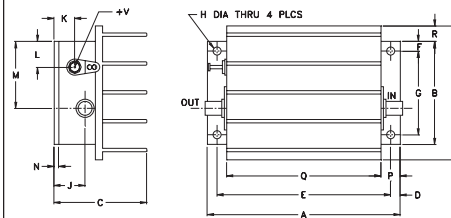
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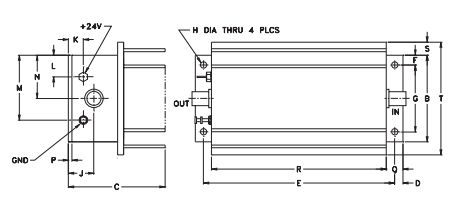
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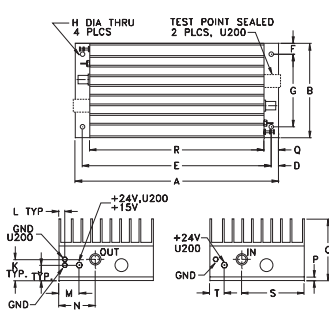
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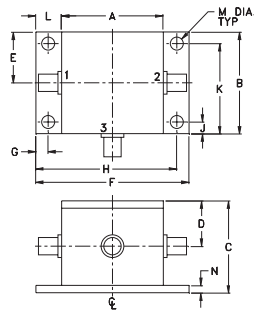
T



U



V



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
AB185	4.76 120.90	3.00 76.20	.53 13.46	.150 3.81	4.610 117.09	1.500 38.10	.125 3.18	.50 12.70	.25 6.35	1.13 28.70	.500 12.70								183	A4, D17
AB186	4.76 120.90	3.00 76.20	.53 13.46	.150 3.81	4.610 117.09	1.500 38.10	.125 3.18	.38 9.65	.25 6.35	.88 22.35	.500 12.70								153	A4, D17
AB204	6.13 155.70	3.00 76.20	.53 13.46	.162 4.11	5.962 151.43	1.500 38.10	.116 2.95	.50 12.70	.25 6.35	1.13 28.70	.50 12.70								215	A4, C2, D17
AF190	.180 4.57	.090 2.29	.020 .51	.100 2.54	.083 2.11	.072 1.83	.005 .13	— —	.210 5.33	.060 1.52	.060 1.52	.060 1.52	.020 0.51						.04	A16, C6, E3, F14
AF320	.200 5.08	.100 2.54	.020 .51	.070 1.78	.068 1.73	.057 1.45	.005 .13	— —	.230 5.84	.065 1.65	.060 1.52	.080 2.03	.040 1.02						.04	A28, C8, E3, F26
AH202	.375 9.53	.500 12.70	.25 6.35	.020 .51	.035 .89	.050 1.27	.140 3.56	.180 4.57	.320 8.13	.360 9.14	.450 11.43	.465 11.81	.095 2.41	.135 3.43	.240 6.10	.280 7.11			.80	A19, F61
AN213	.456 11.58	.487 12.37	.170 4.32	.020 .51	.029 .74	.017 .43	.050 1.27	.035 .89	.022 0.56	.087 2.21	.441 11.20	.300 7.62							2.0	A23, E6, F18
AR214	2.25 57.15	1.38 35.05	1.25 31.75	.50 12.70	.150 3.81	3.100 78.74	.138 3.51	1.238 31.45	3.25 82.55	.12 3.05	.69 17.53	1.50 38.10	.30 7.62	.41 10.41	.71 18.03	.41 10.41	.150 3.81		74.0	A6, A18, D17
AT224	.150 3.81	.150 3.81	.150 3.81	.050 1.27	.030 .76	.025 .64	.028 .71	.065 1.65	.190 4.83	.030 0.76									.15	A21, F17
AT577	.200 5.08	.200 5.08	.200 5.08	.075 1.91	.050 1.27	.025 0.64	.026 0.66	.070 1.78	.220 5.59	.035 0.89									.15	A21, F73
AT790	.150 3.81	.150 3.81	.150 3.81	.050 1.27	.030 0.76	.025 0.64	.028 0.71	.050 1.27	.160 4.06	.030 0.76									.10	A39, F15
AT790-1	.150 3.81	.150 3.81	.150 3.81	.050 1.27	.030 0.76	.025 0.64	.028 0.71	.050 1.27	.160 4.06	.030 0.76									.10	A39, F17
AV243	1.01 25.65	1.63 41.40	1.59 40.39	.30 7.62	1.05 26.67	.14 3.56	.46 11.68	.12 3.05	.030 .76										18	A22, D17
AW254	3.00 76.20	2.06 52.32	1.90 48.26	.100 2.54	2.500 63.50	1.525 38.74	.125 3.18	1.000 25.40	.50 12.70	2.00 50.80									280	A8, C2, D24
AW256	4.50 114.30	2.25 57.15	1.69 42.93	.125 3.18	4.000 101.60	1.625 41.28	.125 3.18	.890 22.61	.44 11.18	3.50 88.90									500	A8, C2, D24
AW257	8.06 204.72	3.25 82.55	2.38 60.45	.125 3.18	7.560 192.02	2.625 66.68	.125 3.18	.890 22.61	.44 11.18	7.06 179.32									1240	A8, C2, D24
AX255	3.00 76.20	2.00 50.80	1.90 48.26	.100 2.54	2.500 63.50	1.525 38.74	.125 3.18	.125 31.75	.50 12.70	— —									300	A8, D24

tolerance .x±.1 .xx±.03 .xxx±.015 inch

oz. = grams x.0353

*NOTES:

- A. MATERIAL AND FINISH
- A4. Case material: aluminum alloy. Finish: irridite per MIL-C-5541.
 - A6. Case material: aluminum alloy. Finish: blue paint over irridite.
 - A8. Case material: aluminum alloy. Finish: case irridite, heat sink black anodize, if supplied with heat sink.
 - A16. Case material: ceramic. Lead material: #42 alloy. Finish: tin-lead plate or tin plate.
 - A18. Mounting bracket finish: irridite or clear anodize.
 - A19. Case material plastic, or copper-nickel alloy, glass epoxy laminate base. Termination finish: tin-lead plate or tin plate
 - A21. Open-style, ceramic base. Termination finish: tin-lead plate or tin plate.
 - A22. Case material: aluminum alloy. Finish: nickel plate; heat sink: black anodize, if supplied with heat sink.
 - A23. Case material: plastic. Lead finish: tin-lead plate or tin plate
 - A28. Case material: ceramic. Lead material: Kovar. Finish: Tin-lead plate or tin plate over nickel.
 - A39. Open style, ceramic base, Termination Finish: palladium silver
- C. MARKING
- C2. Consecutive marking n = no. of way power splitter.
 - C6. RF input lead (1) identified by diagonally cut lead.
 - C7. Lead #6 is identified by diagonally cut lead.
 - C8. Lead (1) may have diagonal cut. Input and output interchangeable for PAT models only.
- D. CONNECTORS
- D17. Connectors: Female SMA only.
 - D24. Connectors: BNC female standard. Type N or SMA consult factory.
- E. SPECIAL TOLERANCES
- E3. Lead width ±.005; lead thickness ±.002; cap diameter ±.005 inch.
 - E4. All tolerances are ±.005 except where minimum or maximum limits are shown.
 - E6. Lead width ±.005 inch.
- F. PACKAGING
- F1-73. Tape and reel packaging available. See Tape & Reel packaging information for details.



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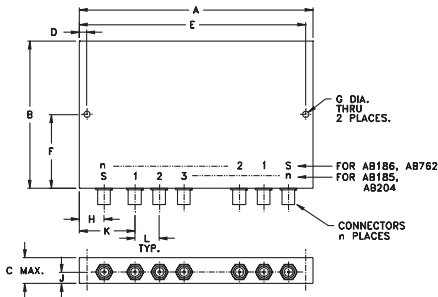
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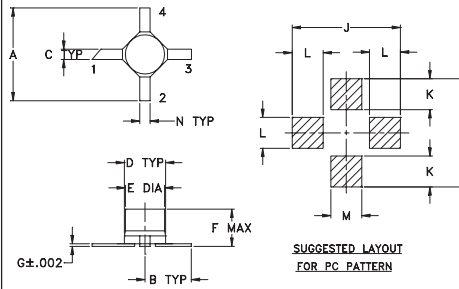
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OUTLINE DRAWINGS

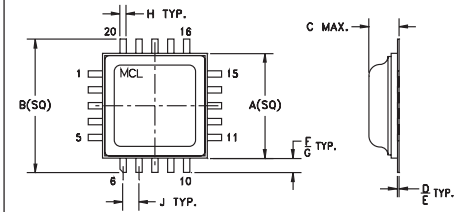
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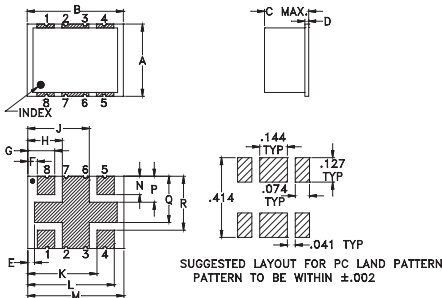
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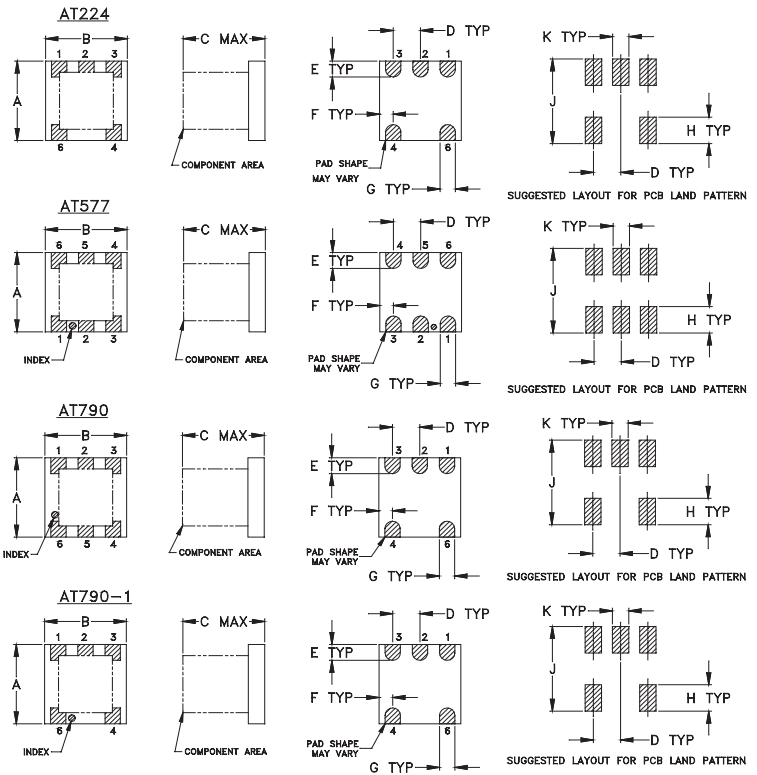
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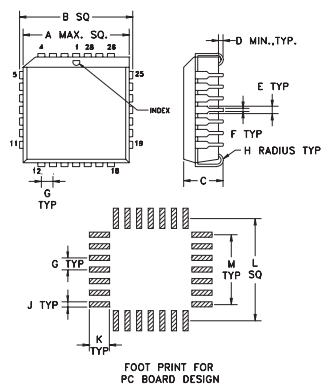
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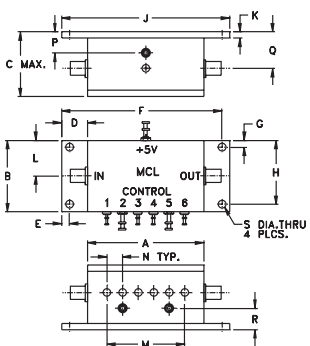
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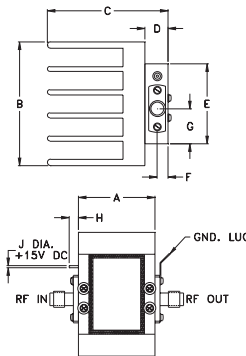
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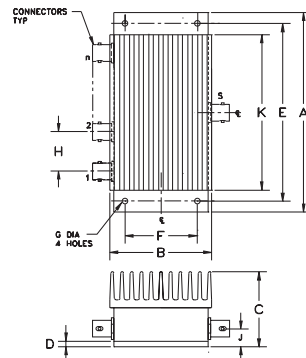
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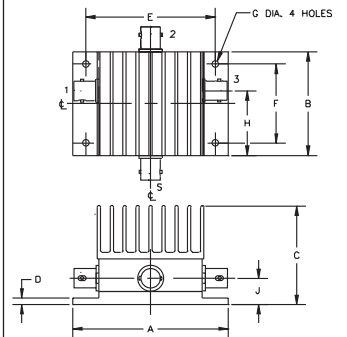
AV



AW



AX



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
BB48	.50 12.70	.39 9.91	.225 5.72	.025 0.63	.07 1.78	.100 2.54	.250 6.35	.350 8.89	.06 1.52	.31 7.87									3.0	A1, E1
BG291	.870 22.09	.800 20.32	—	.100 2.54	.250 6.35	.100 2.54	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.890 22.60								4.0	A27, F21
BG419	.870 22.09	.800 20.32	—	.100 2.54	.400 10.16	.100 2.54	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.890 22.60								6.4	A27
BH292	.280 7.11	.31 7.87	—	.100 2.54	.225 5.72	.055 1.40	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.300 7.62								.45	A24, F24
BJ293	.395 10.03	.500 12.70	—	.100 2.54	.230 5.84	.100 2.54	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.425 10.08								.80	A19, F23
BJ360	.450 11.43	.800 20.32	—	.100 2.54	.250 6.35	.100 2.54	.200 5.08	.047 1.19	.065 1.65	.065 1.65	.480 12.19								1.7	A31, F38
BJ398	.305 7.75	.390 9.91	—	.100 2.54	.105 2.67	.045 1.14	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.325 8.26								.20	A19, F29
BJ850	.320 8.13	.700 17.78	—	.110 2.79	.070 1.78	.127 3.22	.200 5.08	.047 1.19	.065 1.65	.090 2.29	.400 10.16								1.0	A39, F56
BK276	.470 11.94	.803 20.40	—	.100 2.54	.250 6.35	.102 2.59	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.490 12.45								3.0	A27, F22
BK343	.460 11.68	.768 19.51	—	.100 2.54	.155 3.94	.084 2.13	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.480 12.19								1.5	A27, F27
BK377	.505 12.83	.800 20.32	—	.100 2.54	.250 6.35	.100 2.54	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.525 13.34								3.0	A27, F28
BL301	.940 23.88	1.260 32.00	—	.100 2.54	.390 9.91	.080 2.03	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.970 24.64								7.2	A19, F25
BL372	.940 23.88	1.426 36.22	—	.100 2.54	.250 6.35	.163 4.14	.100 2.54	.047 1.19	.065 1.65	.065 1.65	.970 24.64								6.4	A27
BN333	1.680 42.67	2.130 54.10	3.6 91.44	7.5 190.50	.75 19.05	.42 10.67	1.32 33.53	.30 7.62	.55 13.97	.33 8.38	.34 8.64	1.000 25.40	.30 7.62	6.900 175.26					755	A22, D17
BR386	3.25 82.55	1.38 35.05	1.25 31.75	.71 18.03	1.13 28.70	.125 3.18	2.25 57.15	.71 18.03	.41 10.41	.98 24.89	1.28 32.51	2.950 74.93	.15 3.81	1.100 27.94	.14 3.56	.150 3.81			180	A4,A18,D17
BT412	9.50 241.30	7.3 185.42	6.3 160.02	6.00 152.40	.98 24.89	3.75 95.25	.13 3.30	.75 19.05	.30 7.62	1.00 25.40	.48 12.18	1.91 48.51	1.3 33.02	2.50 63.50	.9 22.86	5.30 134.62	5.1 129.54	5.2 132.08	4000	A8, D17
BT451	9.50 241.30	7.3 185.42	6.3 160.02	6.00 152.40	.98 24.89	3.75 95.25	.13 3.30	.78 19.81	.31 7.87	1.48 37.59	1.48 37.59	2.45 62.23	1.1 27.94	2.95 74.93	.5 12.7	6.00 152.40	5.1 129.54	5.2 132.08	4000	A8, D17
BU413	1.00 25.40	.75 19.05	.58 14.73	.50 12.70	.29 7.37	.38 9.65	1.40 3.56	—	.687 17.45	—	.32 8.13	.13 3.30	.10 2.54	.16 4.06	—	—			25	A4,C1,D6

tolerance .x±.1 .xx±.03 .xxx±.015 inch

oz. = grams x.0353

*NOTES:

- A. MATERIAL AND FINISH
 A1. Header material: C. R. S. Pin material: #52 alloy. Finish: electro tin, hot oil flowed.
 Cover material: cupro-nickel.
 A4. Case material: aluminum alloy. Finish: iridite per MIL-C-5541
 A8. Case material: aluminum alloy. Finish: case iridite. Heat sink black anodize, if supplied with heat sink.
 A18. Mounting bracket finish: iridite or clear anodize.
 A19. Case material: plastic, or copper-nickel alloy. Glass epoxy laminate base. Termination finish: tin-lead plate or tin plate
 A22. Case material: aluminum alloy. finish: nickel plate. Heat sink: black anodize, if supplied with heat sink.
 A24. Case material: ceramic, Lead finish: tin-lead plate or tin plate
 A27. Header: Glass epoxy laminate.
 Cover: Cupro-nickel, bright-burnish
 Leads: Solder-plated iron-nickel alloy.
 A31. Case material: copper alloy or nickel-silver alloy. Header: Glass epoxy laminate base. Termination finish: tin-lead plate or tin plate.
 A39. Open style, ceramic base, Termination Finish: tin-lead plate or tin plate.
- C. MARKING:
 C1. For port markings 1,2, and 3 see specification data sheet.
- D. CONNECTORS
 D6. Connectors: female SMA only. Male SMA available on request, consult factory.
 D16. Connectors: please specify. Unless otherwise noted SMA is standard for ZHL-2-12; for all other models BNC is standard. TNC, N, SMA available on request, consult factory.
 D17. Connectors: Female SMA only.
- E. SPECIAL TOLERANCES
 E1. Pin diameter ±.005 inch.
- F. PACKAGING
 F1-56. Tape and reel packaging available. See Tape & Reel packaging information for details.
 To order Tape & Reel version add -TR suffix to model.



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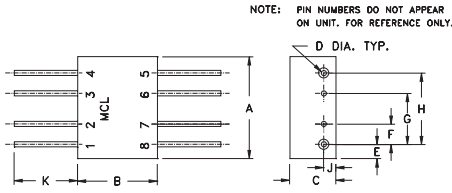
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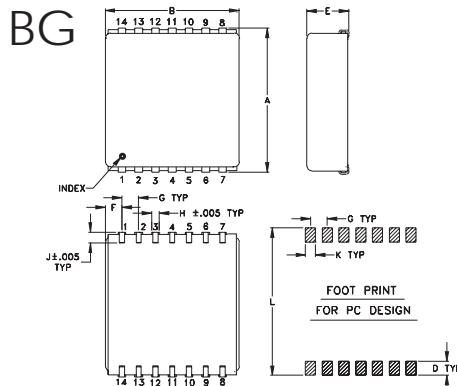
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OUTLINE DRAWINGS

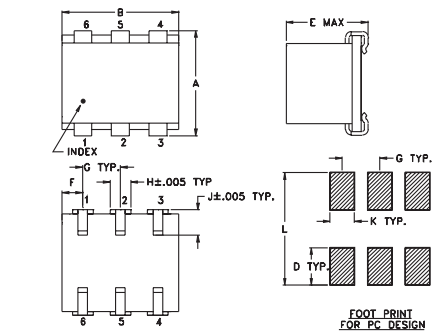
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BG

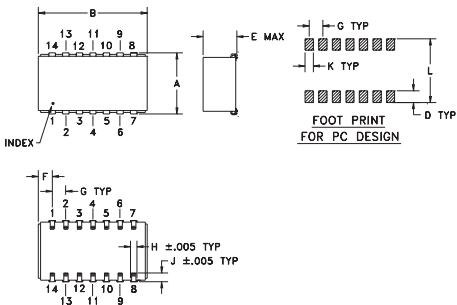


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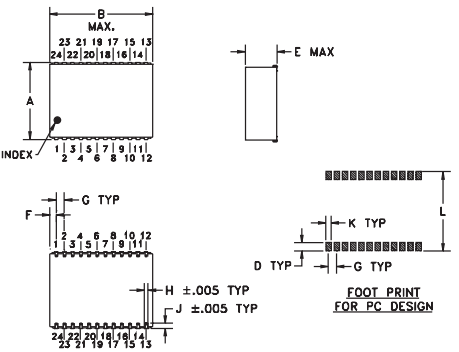


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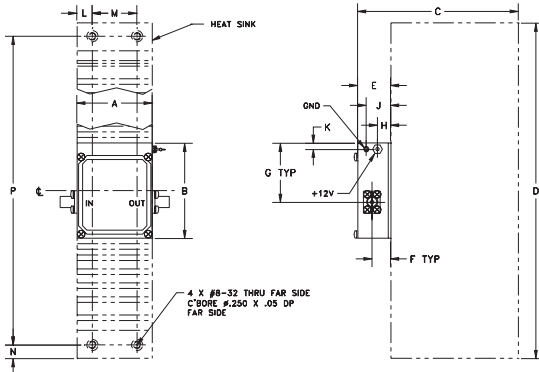
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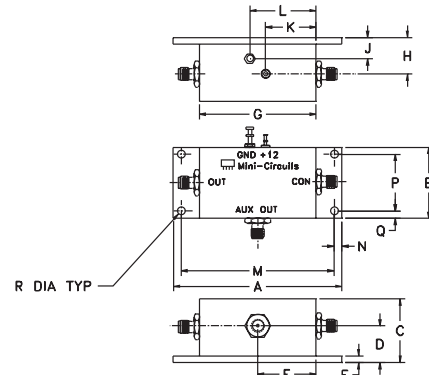
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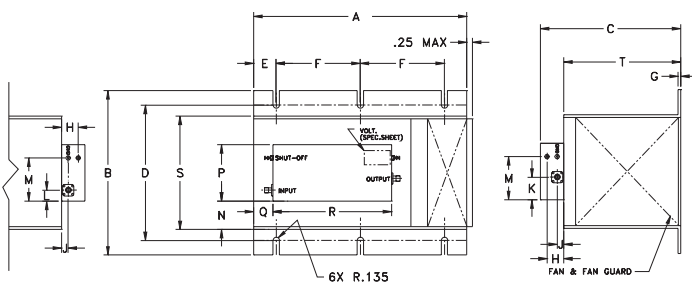
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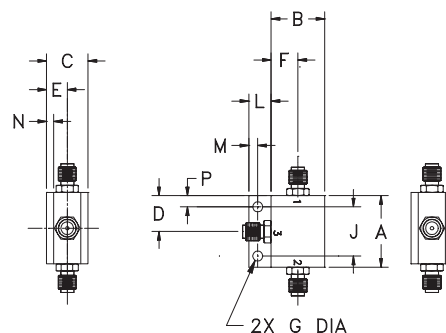
BR



BT



BU



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
BV278	6.00 152.40	4.50 114.30	1.38 35.05	.15 3.81	5.700 144.78	.15 3.81	4.200 106.68	.38 9.65	2.25 57.15	.75 19.05	.75 19.05	.156 3.96							960	A8,D16
BW459	1.00 25.40	.75 19.05	.61 15.49	.38 9.65	.29 7.37	.25 6.35	.26 6.60	.35 8.89	.65 16.51	.688 17.48	.156 3.96	.13 3.30	1.07 27.18	.140 3.56					25	A4,A18,D17
BY493	1.38 35.05	1.00 25.40	.75 19.05	.125 3.18	.35 8.89	.52 13.21	.27 6.86	.78 19.81	.68 17.27	.125 3.18	1.50 38.10	1.281 32.54	1.000 25.40	.19 4.83	.11 2.79	.35 8.89			40	A4,D17
CA531	.052 1.32	.067 1.70	.106 2.69	.122 3.10	.040 1.02	.064 1.63	.087 2.21	.118 3.00	.067 1.70	.083 2.11	.033 .84	.042 1.07	.014 0.36	.020 0.51	.012 0.30	.007 0.18	.020 0.51	.012 0.30	.020	A13, F31
CB518	.270 6.86	.310 7.87	—	.090 2.29	.080 2.03	.055 1.40	.050 1.27	.018 0.46	.074 1.88	.030 0.76	.290 7.37								.30	A21, F32
CB539	.293 7.44	.300 7.62	—	.090 2.29	.085 2.16	.050 1.27	.050 1.27	.018 0.46	.067 1.70	.030 0.76	.315 8.00								.30	A21, F33
CC51	2.00 50.80	2.00 50.80	.75 19.05	.938 23.83	.13 3.30	1.750 44.45	.125 3.17	.38 9.65	1.00 25.40	1.25 31.75									120.0	A10, D11
CC258	2.00 50.80	2.00 50.80	.75 19.05	.938 23.83	.13 3.30	1.750 44.45	.125 3.17	.38 9.65	1.00 25.40	1.25 31.75									200.0	A4, D24
CD541	.280 7.11	.310 7.87	.220 5.58	.100 2.54	.082 2.08	.055 1.40	.100 2.54	.030 0.76	.030 0.76	.065 1.65	.300 7.62								.15	A23, F34
CD542	.280 7.11	.310 7.87	.220 5.58	.100 2.54	.112 2.84	.055 1.40	.100 2.54	.030 0.76	.030 0.76	.065 1.65	.300 7.62								.20	A23, F35
CD636	.280 7.11	.310 7.87	.220 5.58	.100 2.54	.162 4.11	.055 1.40	.100 2.54	.030 0.76	.030 0.76	.065 1.65	.300 7.62								.25	A23, F45
CD637	.280 7.11	.310 7.87	.220 5.58	.100 2.54	.206 5.23	.055 1.40	.100 2.54	.030 0.76	.030 0.76	.065 1.65	.300 7.62								.40	A23, F46
CG581	.375 9.53	.500 12.70	.230 5.84	.087 2.21	—	.150 3.81	.100 2.54	.510 12.95	.155 3.94	.093 2.36	.385 9.78	.040 1.02	.080 2.03	.024 0.61	.060 1.52				0.6	A24, F36
CJ608	.345 8.76	.400 10.16	.385 9.78	.435 11.05	.310 7.87	.175 4.45	.100 2.54	.015 0.38	.037 0.94	.035 0.89	.075 1.91	.120 3.05	.060 1.52	.420 10.67					.40	A23, E2, F42
CJ725	.345 8.76	.400 10.16	.385 9.78	.435 11.05	.310 7.87	.215 5.46	.100 2.54	.015 0.38	.025 0.64	.035 0.89	.075 1.91	.120 3.05	.060 1.52	.420 10.67					.45	A23, E2, F42

tolerance .x±.1 .xx±.03 .xxx±.015 inch

oz. = grams x.0353

*NOTES:

- A. MATERIAL AND FINISH
 A4. Case material: aluminum alloy. Finish: irridite per MIL-C-5541
 A8. Case material: aluminum alloy. Finish: case irridite. Heat sink black anodize, if supplied with heat sink.
 A10. Case material: aluminum alloy. Finish: grey paint or yellow irridite.
 A13. Case material: plastic, Lead finish: tin-lead plate or tin plate.
 A18. Mounting bracket finish: irridite or clear anodize.
 A21. Open-style, ceramic base. Termination finish: tin-lead plate or tin plate over nickel
 A23. Case material: plastic. Lead finish: tin-lead plate or tin plate.
 A24. Case material: ceramic. Lead finish: tin-lead plate or tin plate.
- D. CONNECTORS
 D11. Connectors: Please specify: Type N or SMA
 D16. Connectors: please specify. Unless otherwise noted SMA is standard for ZHL-2-12; for all other models BNC is standard. TNC, N, SMA available on request, consult factory.
 D17. Connectors: Female SMA only.
 D24. Connectors: female BNC standard. Type N or SMA consult factory.
- E. SPECIAL TOLERANCES
 E2. Lead width ±.010; lead thickness ±.003
- F. PACKAGING
 F1-46. Tape and reel packaging available. See Tape & Reel packaging information for details.
 To order Tape & Reel version add -TR suffix to model.

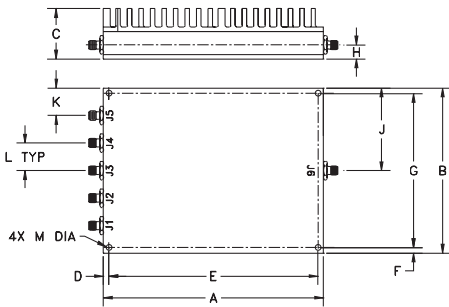


Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

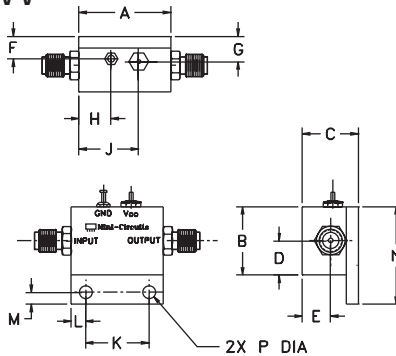
ISO 9001 CERTIFIED

OUTLINE DRAWINGS

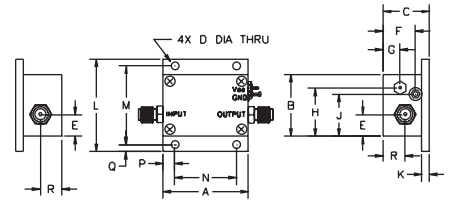
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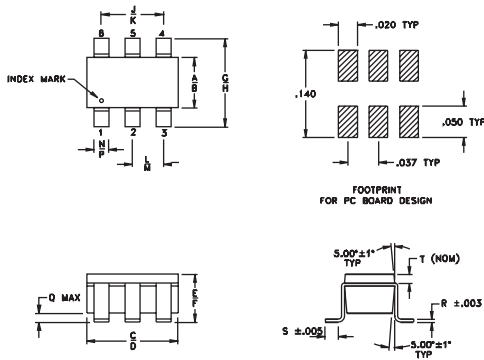
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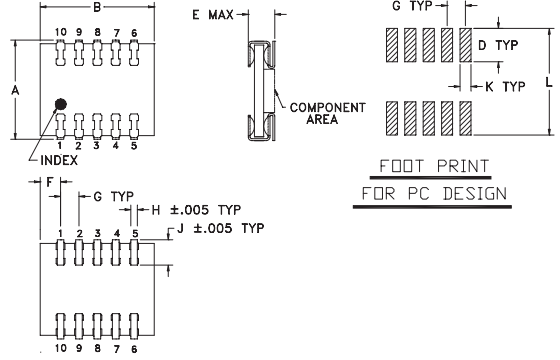
BY



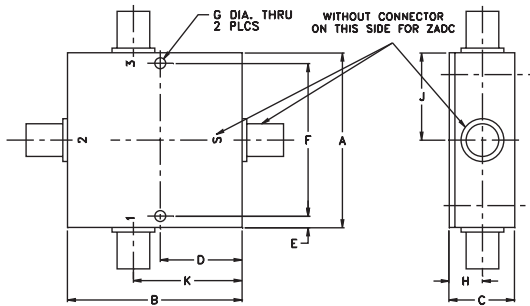
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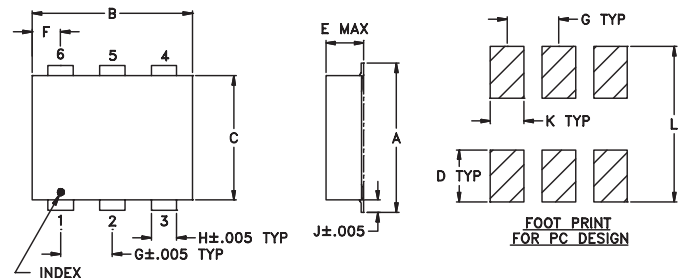
CB



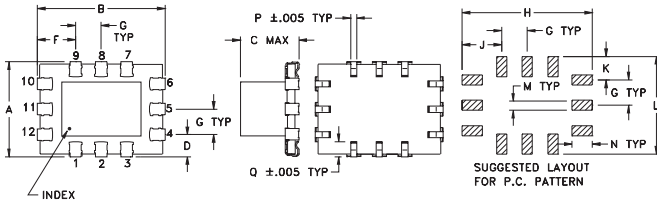
CC



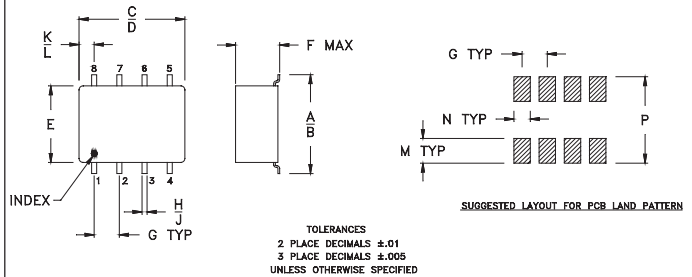
CD



CG



CJ



CASE STYLES

OUTLINE DIMENSIONS (inch mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
CK605	.500 12.70	.500 12.70	.180 4.57	.100 2.54	.080 2.03	.115 2.92	.060 1.52	.040 1.02	.540 13.72	.060 1.52	.100 2.54	.135 3.45	.135 3.45	.115 2.92	.140 3.56	.070 1.78	.150 3.81	.070 1.78	1.0	A35, F37
CL620	.154 3.91	.340 8.64	.068 1.73	.236 5.99	—	.050 1.27	.016 0.41	.008 0.20	.010 0.25	.032 0.81	.059 1.50	.095 2.41	.028 0.71	.287 7.29					.14	A13, F43
CM624	.295 7.49	.405 10.29	.095 2.41	.406 10.31	—	.050 1.27	.016 0.41	.008 0.20	.004 0.10	.032 0.81	.091 2.31	.102 2.59	.028 0.71	.460 11.68	—	.130 3.30	.340 8.64		0.67	A13, F44
CP641	4.75 120.65	4.375 111.13	4.11 104.39	1.540 39.12	2.00 50.80	3.36 85.34	.144 3.66	4.24 107.70	1.12 28.45	.58 14.73	.125 3.18	2.38 60.45	1.50 38.10	1.00 25.40	.50 12.70	.34 8.64	.19 4.83	.23 5.84	850	A7, D17
CV665	1.61 40.89	4.00 101.6	1.20 30.48	.45 11.43	1.33 33.78	.35 8.89	.161 4.09	3.560 90.42	.880 22.35	.36 9.14	.22 5.59	.44 11.18	1.56 39.62	1.06 26.92	.80 20.32	3.12 79.25	.06 1.52	.59 14.99	250.0	A4, D28
CW686	1.77 44.96	2.42 61.47	.55 13.97	.13 3.30	.12 3.05	2.165 55.00	1.535 39.00	.126 3.20	.22 5.59	.28 7.11	.51 12.95	.61 15.46	.39 9.91						71	A4, D17
CY353	3.24 82.30	2.00 50.80	1.50 38.10	.62 15.75	.31 7.87	2.620 66.55	.75 19.05	.62 15.75	.250 6.35	.25 6.35	.50 12.70	.31 7.87	.50 12.70	1.00 25.40	.13 3.30				65	A4, A18, D6
CZ682	.375 9.52	.375 9.52	.131 3.33	.188 4.78	.035 0.89	.033 0.84	.154 3.91	.040 1.02	.446 11.33	.193 4.90	.060 1.52	.446 11.33	.039 0.99	.154 3.91	.060 1.52	.368 9.35			.60	A35, F60

tolerance .x±.1 .xx±.03 .xxx±.015 inch

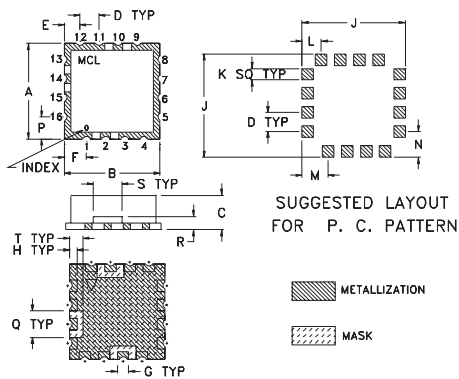
oz. = grams x.0353

* NOTES:

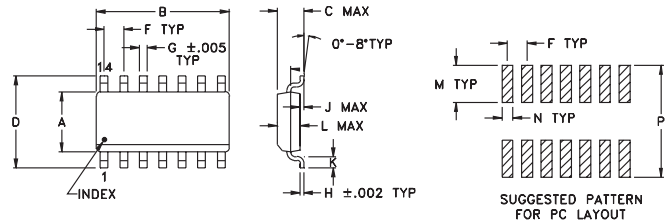
- A. MATERIAL AND FINISH
 A4. Case material: aluminum alloy. finish: irridite per MIL-C-5541
 A7. Case material: aluminum alloy. finish: case black paint; Heat sink: black anodize; base plate irridite per MIL-C-5541.
 A13. Case material: plastic. Lead Finish: tin-lead plate or tin plate.
 A18. Mounting bracket finish: irridite or clear anodize.
 A23. Case material: plastic. Lead Finish: tin-lead plate or tin plate.
 A35. Case material: Copper-Nickel Alloy or Nickel-Silver Alloy. Base: Glass epoxy laminate. Termination Finish: tin-lead plate or tin plated.
- D. CONNECTORS
 D6. Connectors: female SMA only. Male SMA available on request, consult factory.
 D11. Connectors: Please specify: Type N or SMA.
 D17. Connectors: Female SMA only.
 D28. Connectors: Female SMA standard. For other connectors consult factory.
- F. PACKAGING
 F1-60. Tape and reel packaging available. See Tape and Reel Packaging Information for details. To order Tape & Reel version add -TR suffix to model.

OUTLINE DRAWINGS

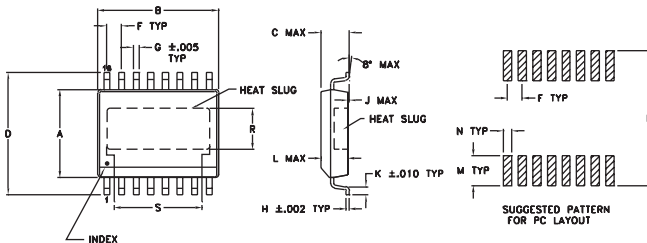
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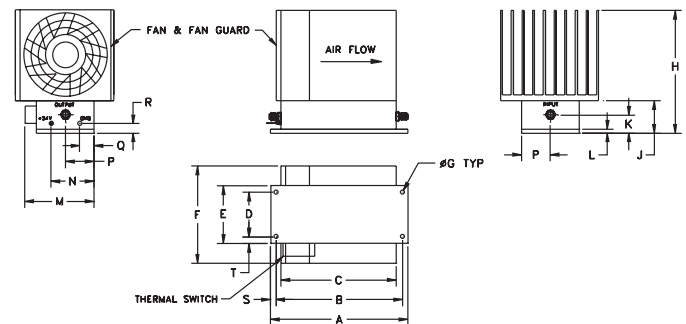
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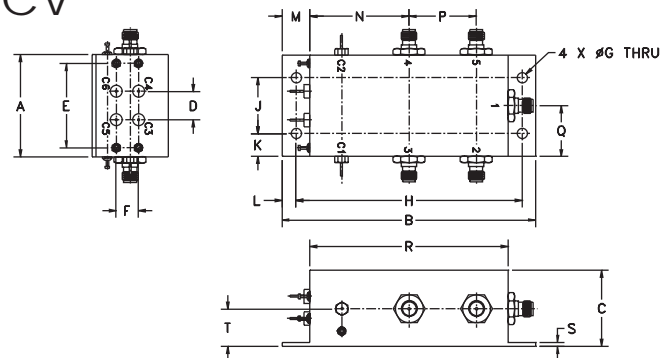
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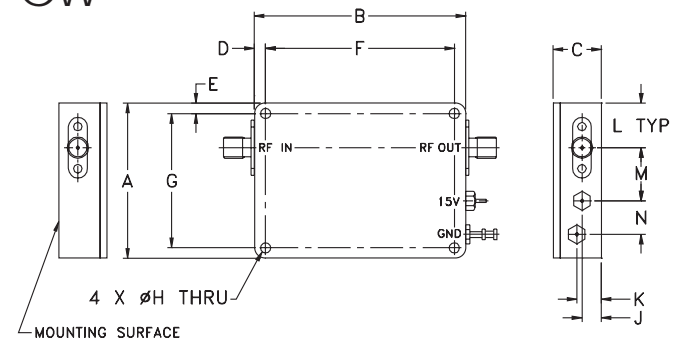
CP



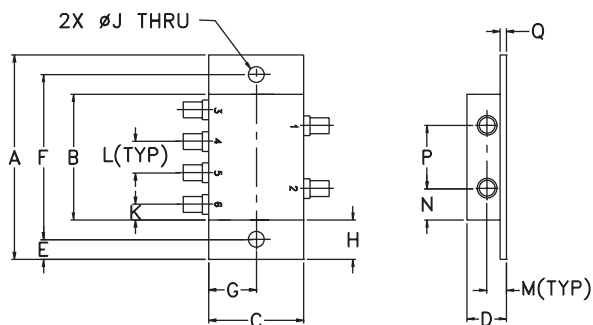
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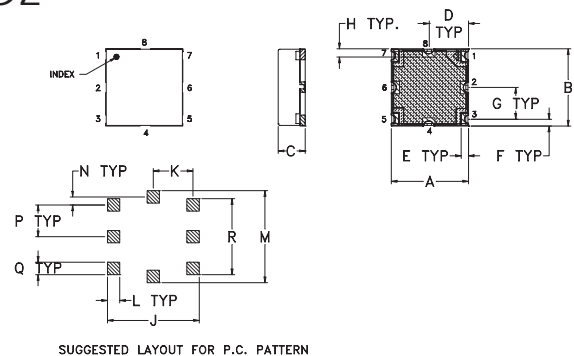
CW



CY



CZ



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
DB714	.160 4.06	.150 3.81	.160 4.06	.050 1.27	.040 1.02	.025 .064	.028 .71	.065 1.65	.190 4.83	.030 0.76									.15	A13, F47
DC736	—	.61 15.49	—	1.90 48.26	.812 20.64														49.7	A38, D29
DC737	—	.61 15.49	—	1.20 30.48	.312 7.94														9.1	A38, D13
DD52	2.00 50.80	2.00 50.80	.75 19.05	.90 22.86	.156 3.96	1.688 42.88	.125 3.18	.392 9.96	1.00 25.40	.50 12.70	1.00 25.40	1.25 31.75							225.0	A10, D11
DD477	2.00 50.80	2.00 50.80	.75 19.05	.90 22.86	.156 3.96	1.688 42.88	.125 3.18	.392 9.96	—	.50 12.70	1.00 25.40	1.25 31.75							225.0	A10, D17
DE749	8.50 215.90	4.00 101.60	.50 12.70	.170 4.32	8.160 207.26	.170 43.18	.150 3.81	8.200 208.28	.190 4.83	4.25 107.95	.50 12.70	2.50 63.50	4.50 114.30	6.50 165.10	1.50 38.10	.201 5.11			400.0	A4, D6
DF782	.102 2.59	.090 2.29	.181 4.60	.173 4.39	.063 1.60	.167 4.24	.155 3.94	.059 1.50	.118 3.00	.015 0.38	.041 1.04	.016 0.41	.019 0.48	.065 1.65					.2	A13, F55
DH820	.197 5.00	.197 5.00	.035 0.89	.008 0.20	.130 3.30	.039 0.99	.030 0.76	.030 0.76	.020 0.51	.040 1.02	.072 1.83	.310 7.87	.310 7.87	.084 2.13	.167 4.24	.084 2.13	.167 4.24	.100 2.54	.06	A23, F59

tolerance .x±.1 .xx±.03 .xxx±.015 inch

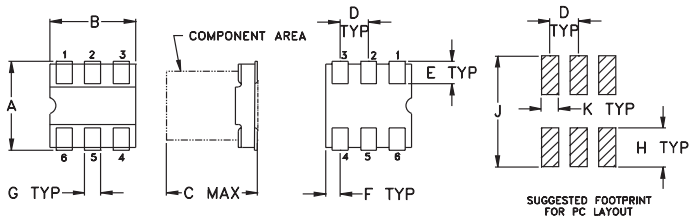
oz. = grams x.0353

* NOTES:

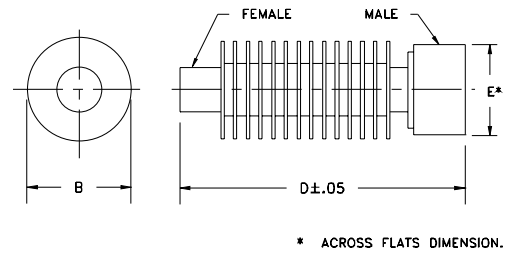
- A. MATERIAL AND FINISH
 A4. Case material: aluminum alloy. Finish: irridite per MIL-C-5541
 A10. Case material: aluminum alloy. Finish: grey paint or yellow irraite
 A13. Case material: plastic. Lead Finish: tin-lead plate or tin plate.
 A23. Case material: plastic, Lead Finish: tin-lead plate or tin plate.
 A38. Case material: aluminum alloy. Finish: Black anodize.
- D. CONNECTORS
 D6. Connectors: female SMA only. Male SMA available on request, consult factory.
 D13. Connectors: Male SMA. Female SMA only.
 D17. Connectors: Female SMA only.
 D29. Connectors: Male N, female N only.
- F. PACKAGING
 F1-59 Tape and reel packaging available. See Tape and Reel Packaging Information for details.

OUTLINE DRAWINGS

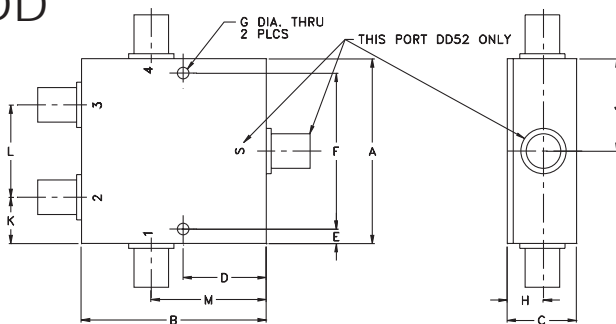
DB



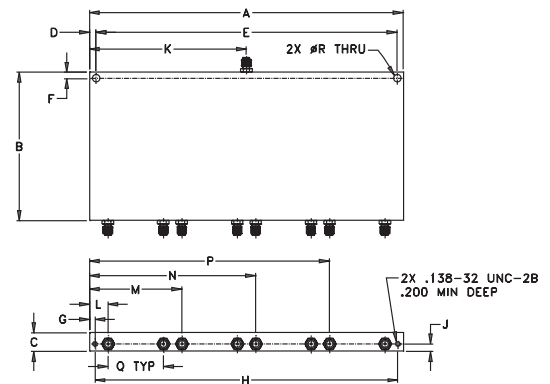
DC



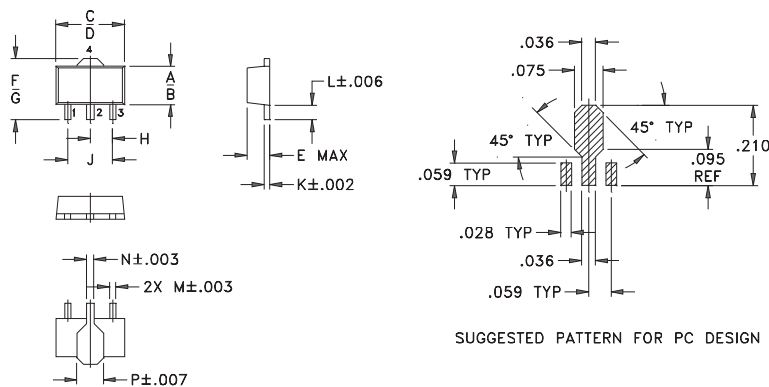
DD



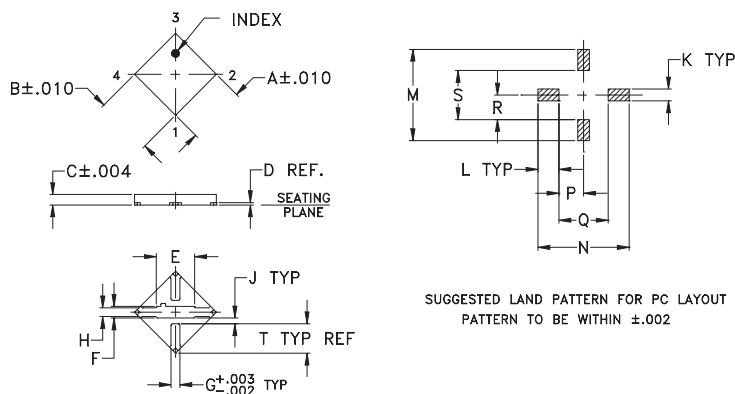
DE



DF



DH



CASE STYLES

OUTLINE DIMENSIONS (inch mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
DJ824	.812 20.62	.90 22.86	—	1.28 32.51	.312 7.92														34.6	A32
DJ825	.812 20.62	.90 22.86	—	1.24 31.50	—														33.6	A32
DJ826	—	.70 17.78	—	1.28 32.51	.312 7.92														27.4	A32
DJ827	—	.70 17.78	—	1.23 31.24	—														26.0	A32
DJ836	—	.36 9.14	—	0.72 18.29	.312 7.92														3.2	A34
DJ861	.812 20.62	.88 22.35	—	1.99 50.55	.312 7.92														44.6	A9
DJ862	.812 20.62	.88 22.35	—	1.79 45.47	—														43.2	A9
DJ863	—	.73 18.54	—	1.75 44.45	.312 7.92														29.2	A9
DJ864	—	.73 18.54	—	1.54 39.12	—														26.6	A9
DJ865	.812 20.62	.88 22.35	—	2.25 57.15	—														63.8	A9
DJ866	.812 20.62	.88 22.35	—	2.03 51.56	—														57.0	A9
DJ867	—	.73 18.54	—	2.00 50.80	—														48.2	A9
DJ868	—	.73 18.54	—	1.79 45.47	—														40.2	A9
DJ869	.312 7.92	.61 15.49	—	1.89 48.01	—														25.8	A9
DJ870	—	.61 15.49	—	1.69 42.93	—														24.0	A9
DJ871	.312 7.92	.55 13.97	—	1.68 42.67	—														18.8	A9
DJ872	—	.55 13.97	—	1.47 37.34	—														16.2	A9
DK801	.584 14.83	.800 20.32	.154 3.91	.079 2.01	.203 5.16	.040 1.02	.040 1.02	.060 1.52	.624 15.85	.071 1.80	.040 1.02	.107 2.72							1.60	A35, F64
DL805	.138 3.50	.138 3.50	.035 0.89	.008 0.20	.080 2.03	.047 1.19	.013 0.33	—	.014 0.36	.026 0.66	.158 4.01	.158 4.01	.084 2.13	.013 0.33	.030 0.76	.048 1.22	.020 0.51	.025 0.64	.02	A23, F58

tolerance .x±.1 .xx±.03 .xxx±.015 inch

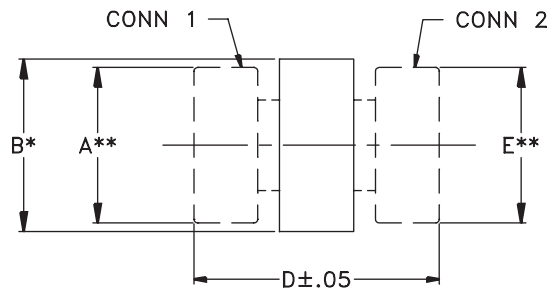
oz. = grams x.0353

* NOTES:

- A. MATERIAL AND FINISH
 A9. Case material: brass. Finish: nickel plate.
 A23. Case material: plastic. Lead Finish: tin-lead plate or tin plate.
 A32. Case material: Stainless steel, passivated.
 A34. Case material: brass. Finish: Gold plate.
 A35. Case material: Copper-nickel or nickel or nickel-silver alloy. Base: Glass Epoxy Laminate. Termination Finish: tin-lead plate or tin plate.
- F. PACKAGING
 F1-50. Tape and reel packaging available. See Tape and Reel Packaging Information for details. To order Tape & Reel version add -TR suffix to model.

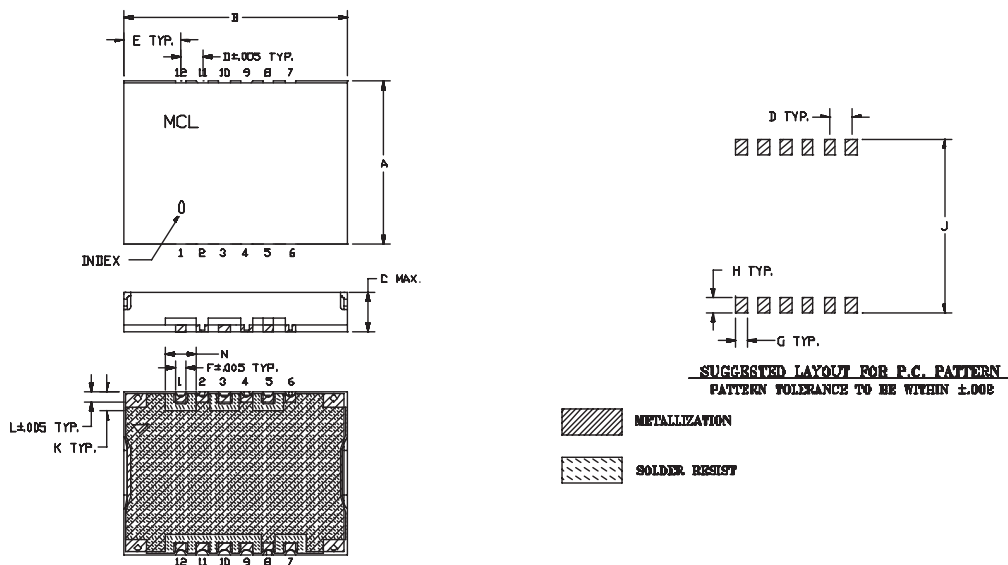
OUTLINE DRAWINGS

DJ

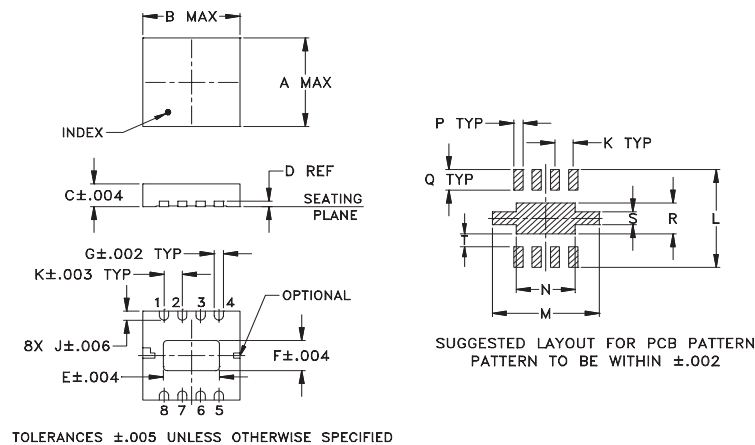


* MAX FOR DJ826, 827, 836.
 ** DIM IS ACROSS FLATS
 B - OVERALL ADAPTER DIMENSION
 BODY/CONNECTOR SHAPE VARIES

DK



DL



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
DQ849	.118 3.00	.118 3.00	.035 0.89	.008 0.20	.067 1.70	.067 1.70	.012 0.30	.046 1.17	.016 0.41	.026 0.66	.148 3.76	.148 3.76	.067 1.70	.012 0.30	.031 0.79	.067 1.70	.061 1.55	.041 1.04	.02	A23, F66
DR788	.394 10.01	.227 5.77	.040 1.02	.008 0.20	.056 1.42	.072 1.83	.060 1.52	.030 0.76	.012 0.30	.428 10.87	.235 5.97	.282 7.16	.120 3.05	— —	.027 0.69	.020 0.51	.015 0.38		.26	A23, F65
DS810	1.97 50.04	1.02 25.91	.53 13.46	.800 20.32	.240 6.10	.19 4.83	.150 3.81	2.18 55.37	1.800 45.72	.800 20.32	.400 10.16	.380 9.65	.06 1.52	.38 9.65					70	A22, B1, D17
DV874	.500 4.57	.500 4.57	.195 1.52	.100 10.16	.080 8.89	.115 1.27	.060 0.38	.040 0.13	.540 0.13	.060 1.78	.100 2.54	.135 2.67	.135 0.64	.115 10.67	.140 0.38	.070 4.57	.150 0.51		1.0	A35, F37
DV897	.500 4.57	.500 4.57	.115 2.92	.100 10.16	.080 8.89	.115 1.27	.060 0.38	.040 0.13	.540 0.13	.060 1.78	.100 2.54	.135 2.67	.135 0.64	.115 10.67	.140 0.38	.070 4.57	.150 0.51		1.0	A35, F37
DZ883	.30 7.62	.250 6.35	.180 4.57	.274 6.96	.050 1.27	.050 1.27	.024 0.61	.05 1.27	.004 0.10	.085 2.16	.296 7.52	.030 0.76							0.5	A24, F63
DZ885	.30 7.62	.250 6.35	.080 2.03	.274 6.96	.050 1.27	.050 1.27	.024 0.61	.05 1.27	.004 0.10	.085 2.16	.296 7.52	.030 0.76							0.3	A21, F63
DZ943	.30 7.62	.250 6.35	.180 4.57	.274 6.96	.050 1.27	.050 1.27	.024 0.61	.057 1.45	.004 0.10	.085 2.16	.296 7.52	.030 0.76							0.5	A41, F63
DZ944	.30 7.62	.250 6.35	.045 1.14	.274 6.96	.050 1.27	.050 1.27	.024 0.61	.057 1.45	.004 0.10	.085 2.16	.296 7.52	.030 0.76							0.25	A24, F63

tolerance .x±.1 .xx±.03 .xxx±.015 inch

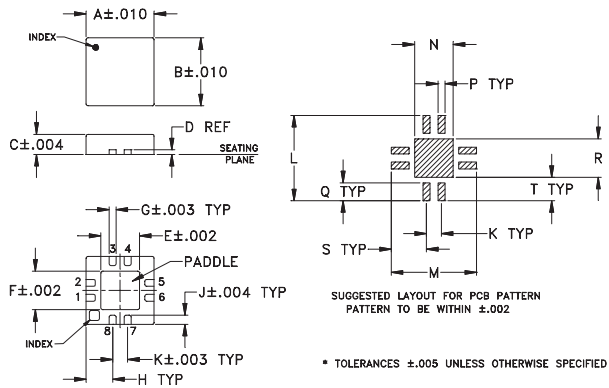
oz. = grams x.0353

* NOTES:

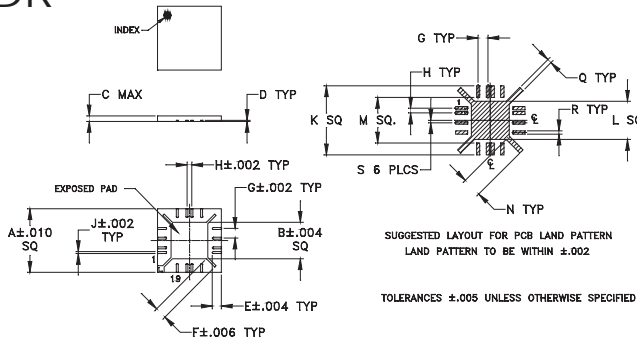
- A. MATERIAL AND FINISH
 A21. Open style, ceramic base. Termination Finish: tin-lead plate or tin plate.
 A22. Case material: aluminum alloy. Finish nickel plate; heat sink: black anodize, if supplied with heat sink
 A23. Case material: plastic. Lead finish: tin-lead plate or tin plate.
 A24. Case material: ceramic. Lead finish: tin-lead plate or tinplate.
 A35. Case material: copper-nickel or nickel-silver alloy. Base: glass epoxy laminate. Termination Finish: tin-lead plate or tin plate.
 A41. Case material: ceramic or plastic, ceramic base. Termination Finish: tin-lead plate or tin plate.
- B. MOUNTING
 B1. Mounting bracket available on request. Add suffix B to part number.
- D. CONNECTORS
 D1. Connectors: Female SMA only.
- F. PACKAGING
 F1-66. Tape and reel packaging available. See Tape and Reel Packaging Information for details.

OUTLINE DRAWINGS

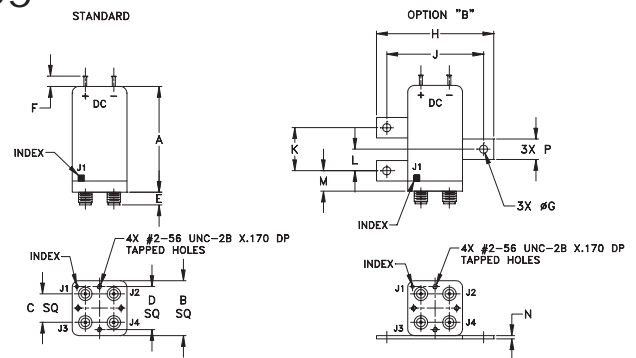
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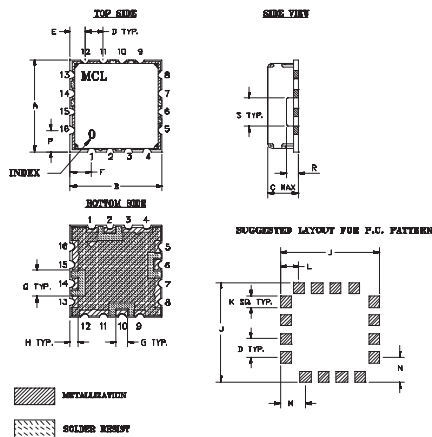
DR



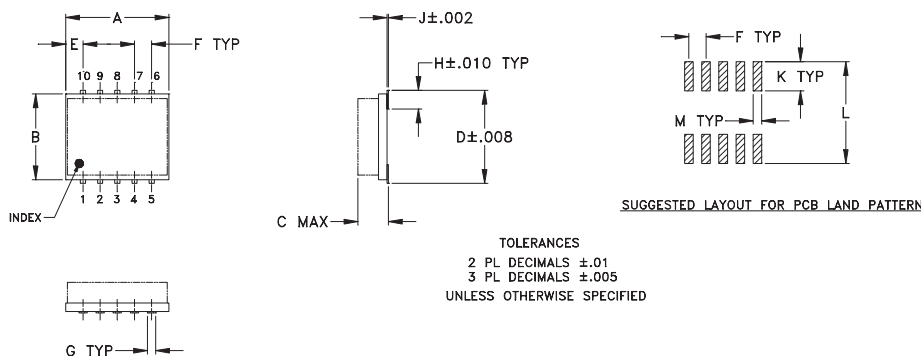
DS



DV



DZ



The Design Engineers Search Engine
Provides Actual Data Instantly
At: <http://www.minicircuits.com>

In Stock... Immediate Delivery
For Custom Versions Of Standard Models
Consult Our Applications Dept.



030228

CASE STYLES

OUTLINE DIMENSIONS (inch mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
FF55	—	.54 13.72	—	2.59 65.79	—														40.0	A32, D12
FF56	—	.43 10.92	—	1.70 43.18	.312 7.92														18.0	A9, D13
FF57	—	.67 17.02	—	2.90 73.66	.82 20.83														90.0	A32, D14
FF99	—	.67 17.02	—	1.98 50.29	.312 7.92														42.0	A32, D13
FF658	—	.365 9.27	—	.85 21.59	.312 7.92														4.3	A32, D13
FF659	—	.365 9.27	—	.99 25.15	.312 7.92														5.1	A32, D13
FF670	—	.62 15.75	—	1.76 44.70	.82 20.83														65.0	A9, D14
FF704	—	.461 11.71	—	1.42 36.07	.312 7.92														10.0	A36, D13
FF747	—	.620 15.75	—	1.94 49.28	—														30.0	A9, D12
FF779	—	.700 17.78	—	2.11 53.59	.813 20.65														65.0	A9, D14
FF809	—	.62 15.75	—	1.76 44.70	.813 20.65														64.9	A32, D14
FF886	—	.62 15.75	—	1.90 48.26	.31 7.87														22.0	A36, D13
FF887	—	.62 15.75	—	2.24 56.90	.31 7.87														26.0	A36, D13
FF888	—	.46 11.68	—	1.18 29.97	.31 7.87														7.0	A36, D13
FG873	.118 3.00	.118 3.00	.035 0.89	.008 0.20	.055 1.40	.024 0.61	.018 0.46	.018 0.46	.020 0.51	.024 0.61	.061 1.55	.186 4.72	.186 4.72	.032 0.81	.064 1.63	.032 0.81	.064 1.63	.051 1.30	.02	A23, F70
FJ893	2.00 50.80	3.75 95.25	.80 20.32	3.00 76.20	.19 4.83	3.374 85.70	1.624 41.25	.156 3.96	.44 11.18	.26 6.60	1.00 25.40	.51 12.95	.22 5.59	.26 6.60	—	.19 4.83	.10 2.54		135.0	A4, D17
FL905	.74 18.80	.50 12.70	.54 13.72	.80 20.31	.04 1.02	.16 4.06	.29 7.37	.37 9.40	.122 3.10	.122 3.10	.496 12.60	.106 2.69							20.0	A34, A36, D17

tolerance .x±.1 .xx±.03 .xxx±.015 inch

oz. = grams x.0353

* NOTES:

- A. MATERIAL AND FINISH
 A4. Case material: aluminum alloy. Finish: irridite per MIL-C-5541
 A9. Case material: brass. Finish: nickel plate.
 A23. Case material: plastic. Lead Finish: tin-lead plate or tin plate.
 A32. Case material: Stainless steel, passivated.
 A34. Case material: Brass, Finish: Gold plate.
 A36. Case material: Brass, or stainless steel. Finish: nickel plate (on brass) or passivation (stainless steel).
- D. CONNECTORS
 D12. Connectors: Male BNC, Female BNC standard. Other combinations with SMA, TNC available on request, consult factory.
 D13. Connectors: Male SMA, Female SMA only.
 D14. Connectors: Male N, Female N standard. Combinations with BNC, SMA, TNC available on request, consult factory.
 D17. Connectors: Female SMA only.
- F. PACKAGING
 F1-58. Tape and reel packaging available. See Tape and Reel Packaging Information for details.



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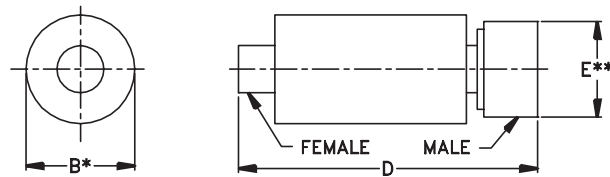
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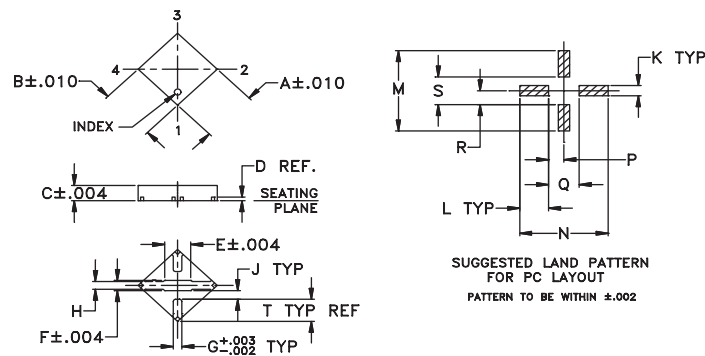
OUTLINE DRAWINGS

FF

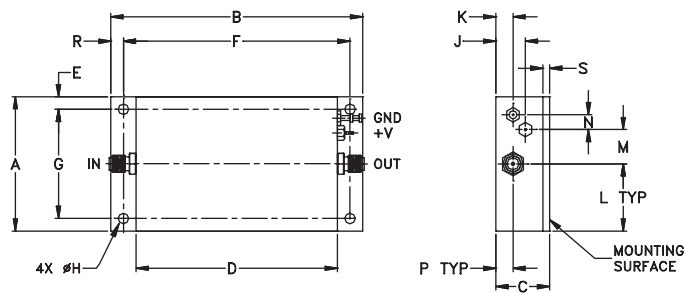


B—OVERALL BODY DIMENSION
 * MAX FOR FF658, 659, 704, 747, 886, 887, 888
 ** ACROSS FLATS FOR FF56, 99, 658, 659, 704, 779, 809, 886, 887, 888

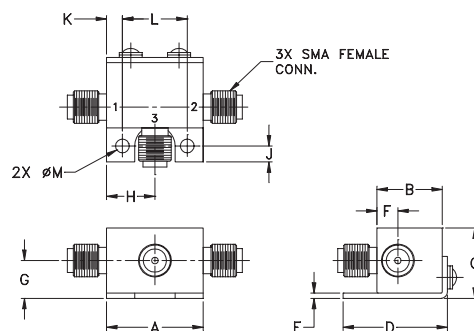
FG



FJ



FL



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
GG60	2.31 58.67	1.20 30.48	.60 15.24	.125 3.18	2.062 52.37	.30 7.62	.53 13.46	.63 16.00											75.0	A10, D10
HH68	9.31 236.47	1.60 40.64	3.57 90.68	8.84 224.54	.25 6.35	.88 22.35	.36 9.14	.160 4.06	.34 8.64	.69 17.53	.54 13.72	.66 16.76	8.34 211.84	.33 8.38	.06 1.52				1090.0	A10, A18, D10
JJ77	1.50 38.10	1.13 28.70	.97 24.64	.50 12.70	.155 3.94	2.345 59.56	.14 3.56	.850 21.59	2.50 63.50	.10 2.54	.44 11.18	.75 19.05	.63 16.00	.54 13.72	.37 9.40	.43 10.92	.150 3.81	.73 18.54	50.0	A6, A11, A18, D17
KK81	.30 7.62	.27 6.86	.23 5.84	.010 .25	.042 1.07	.020 .51	.100 2.54	.05 1.27	.05 1.27	.020 .51	.036 .91	.26 6.60	.575 14.61	.600 15.24	.125 3.18	.050 1.27	.100 2.54		.50	A13, E2, F1
LL85	1.43 36.32	.58 14.73	.75 19.05																21.5	A9, D18
LL86	1.19 30.23	.58 14.73	.51 12.95																14.0	A9, D19
LL87	1.43 36.32	.82 20.83	.68 17.27																48.5	A9, D20
LL561	.58 14.73	.37 9.40	.35 8.89																4.0	A34, A37, D19
LL604	.55 13.97	.36 9.14	.33 8.38																4.0	A34, D27
LL718	1.10 27.94	.69 17.53	.68 17.27																30.0	A37, D20
NN92	3.66 92.96	3.25 82.55	2.13 54.10	.25 6.35	3.16 80.26	.38 9.65	2.50 63.50	.156 3.96	.72 18.29	.64 16.26	.74 18.80	1.78 45.21	2.30 58.42	.125 3.18	.50 12.70	2.66 67.56			440.0	A7, A8, A18, D6
PP94	.360 9.14	.250 6.35	.25 6.35	.016 .41	.020 .51	.04 1.02	.200 5.08												1.5	A26, C3
PP120	.50 12.70	.21 5.33	.150 3.81	.016 .41	.020 .51	.04 1.02	.300 7.62												1.5	A12, C3
PP163	.360 9.14	.250 6.35	.350 8.89	.016 .41	.020 .51	.040 1.02	.200 5.08												2.9	A12, C3
PP230	.50 12.70	.250 6.35	.240 6.10	.016 .41	.020 .51	.04 1.02	.300 7.62												1.8	A12, C3
QQ95	.500 12.70	.250 6.35	.25 6.35	.016 .41	.020 .51	.04 1.02	.300 7.62	.150 3.81	.150 3.81	.075 1.91									3.5	A12, C3
QQ96	.600 15.24	.250 6.35	.25 6.35	.016 .41	.020 .51	.04 1.02	.400 10.16	.200 5.08	.200 5.08	.100 2.54									4.0	A12, C3
RR93	4.06 103.12	1.60 40.64	2.125 53.98	3.56 90.42	.25 6.35	.88 22.35	.36 9.14	.160 4.06	.4 10.16	.69 17.53	.58 14.73	.66 16.76	3.13 79.50	.8 20.32	.06 1.52	.33 8.38			350.0	A10, A18, D9

tolerance .x±.1 .xx±.03 .xxx±.015 inch

oz. = grams x.0353

* NOTES:

- | | |
|--|---|
| <p>A. MATERIAL AND FINISH</p> <p>A6. Case material: aluminum alloy. Finish: blue paint over iridite.</p> <p>A7. Case material: aluminum alloy. Finish: case black paint. Heat sink: black anodize. Baseplate iridite per MIL-C-5541.</p> <p>A8. Case material: aluminum alloy. Finish: case iridite. Heat sink: black anodize, if supplied with heat sink.</p> <p>A9. Case material: brass. Finish: nickel plate.</p> <p>A10. Case material: aluminum alloy. Finish: grey paint or yellow iridite.</p> <p>A11. Case material: aluminum alloy. Finish: blue anodized.</p> <p>A12. Header and lead finish: gold plate per MIL-G-45204. Case material: Nickel</p> <p>A13. Case material: plastic. Lead Finish: tin-lead plate or tin plate.</p> <p>A18. Mounting bracket finish: iridite or clear anodize.</p> <p>A26. Header material: C.R.S., pin material: #52 alloy; finish: electro tin, hot-oil flowed. Cover material: nickel.</p> <p>A32. Case material: Stainless steel, passivated.</p> <p>A34. Case material: Brass, Finish: Gold plate.</p> <p>A37. Case material: Brass, Finish: Tri-metal (Cu/Sn/Zn) plate.</p> <p>C. MARKING</p> <p>C3. For Pin designations see specification data sheet.</p> | <p>D. CONNECTORS</p> <p>D6. Connectors: Female SMA only. Male SMA available on request, consult factory.</p> <p>D9. Connectors: BNC standard. TNC or Female SMA on request, consult factory.</p> <p>D10. Connectors: BNC standard. SMA on request, consult factory.</p> <p>D11. Connectors: Please specify; Type N or SMA.</p> <p>D12. Connectors: Male BNC, Female BNC standard. Other combinations with SMA, TNC available on request, consult factory.</p> <p>D13. Connectors: Male SMA. Female SMA only.</p> <p>D14. Connectors: Male N, Female N standard. Combinations with BNC, SMA, TNC available on request, consult factory.</p> <p>D17. Connectors: Female SMA only.</p> <p>D18. Connectors: Male BNC only.</p> <p>D19. Connectors: Male SMA only.</p> <p>D20. Connectors: Male Type N only.</p> <p>D24. Connectors: female BNC standard. Type N or SMA consult factory.</p> <p>D27. Connectors: female SMB only.</p> <p>E. SPECIAL TOLERANCES</p> <p>E2. Lead width ±.010; lead thickness ±.003 inch.</p> <p>F. PACKAGING</p> <p>F1-29. Tape and reel packaging available. See Tape and Reel Packaging Information for details.</p> |
|--|---|



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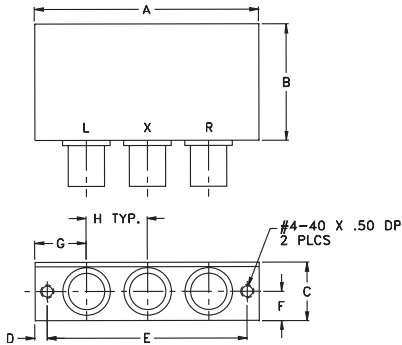
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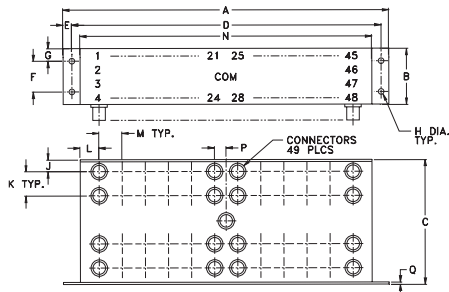
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OUTLINE DRAWINGS

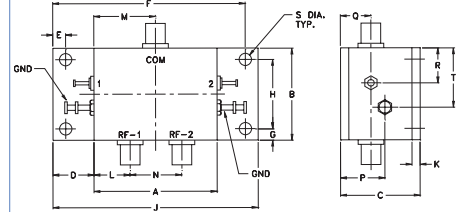
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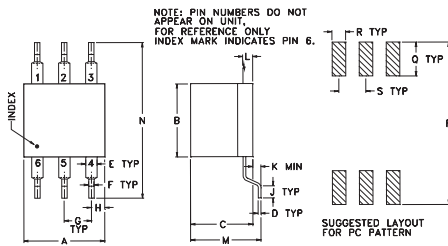
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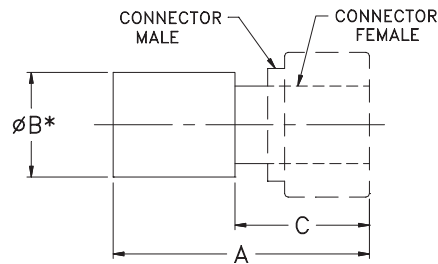
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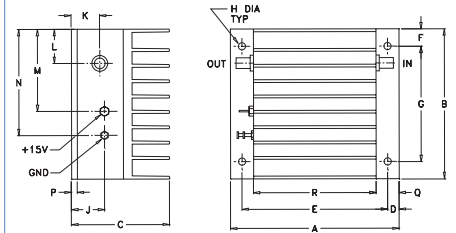


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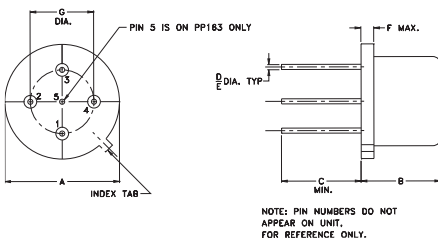


* MAX FOR LL561

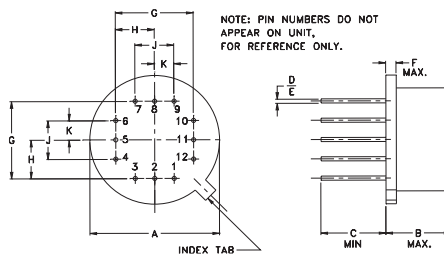
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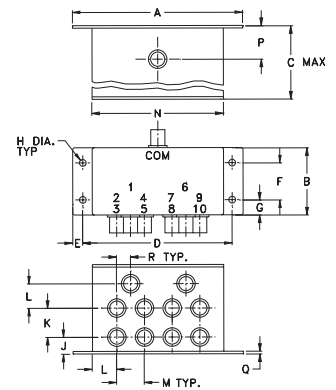
PP



QQ



RR



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
SM1	.250 6.35	.300 7.62	.070 1.78	.290 7.37	.050 1.27	.015 .38	.050 1.27	.060 1.52	.030 .76	.080 2.03	.300 7.62	.100 2.54	.020 .51	.015 .38	.070 1.78	.014 .36			.3	A21, F49
SM1L	.250 6.35	.300 7.62	.070 1.78	.320 8.12	.050 1.27	.015 .38	.050 1.27	.075 1.91	.030 .76	.095 2.41	.330 8.38	.100 2.54	.020 .51	.015 .38	.070 1.78	.014 .36			.3	A21, F49
SM2	.250 6.35	.300 7.62	.070 1.78	.290 7.37	.050 1.27	.015 .38	.050 1.27	.060 1.52	.030 .76	.080 2.03	.300 7.62	.100 2.54	.020 .51	.015 .38	.070 1.78	.014 .36			.3	A21, F49
SM18	.375 9.53	.510 12.95	.140 3.56	.425 10.80	.100 2.54	.015 .38	.100 2.54	.060 1.52	.040 1.02	.100 2.54	.460 11.68	.140 3.56	.180 4.57	—	—	.020 .51			.4	A21, F48
SM20A	.500 12.70	.460 11.68	.075 1.91	.575 14.61	.050 1.27	.015 .38	.025 .64	.070 1.78	.030 .76	.095 2.41	.600 15.24	.120 3.05	.160 4.06	—	—	.012 .30			.5	A21, F53

tolerance .x±.1 .xx±.03 .xxx±.015 inch

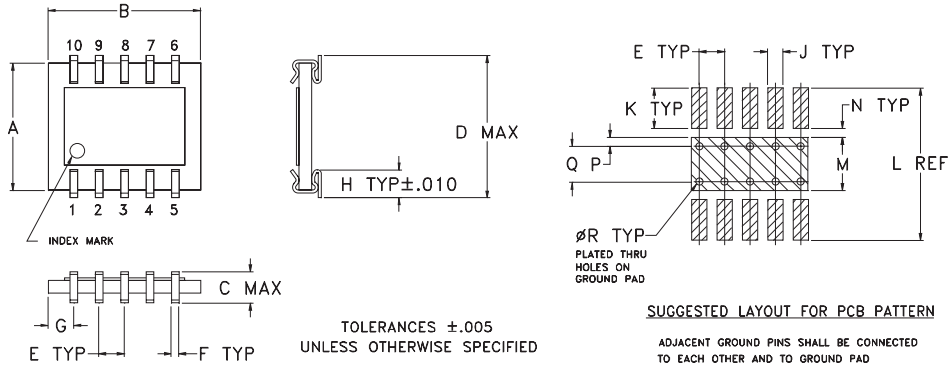
oz. = grams x.0353

* NOTES:

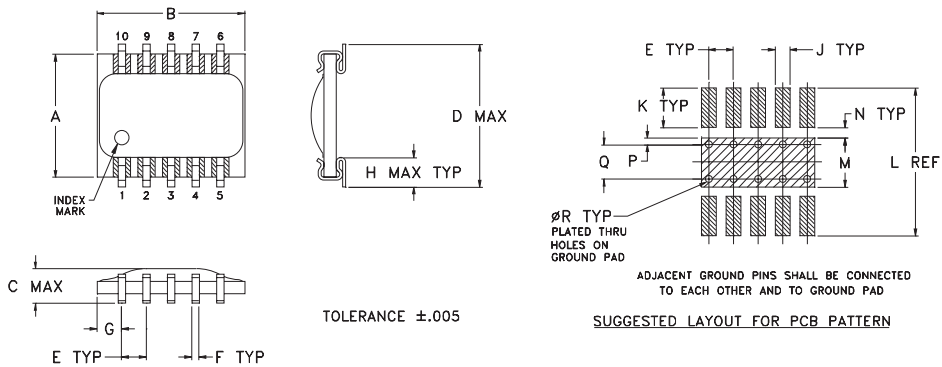
- A. MATERIAL AND FINISH
A21. Open-style, ceramic base. Termination finish: tin-lead plate or tin plate over nickel.
- F. PACKAGING
F1-53. Tape and reel packaging available. See Tape and Reel Packaging Information for details. To order Tape & Reel version add -TR suffix to model.

OUTLINE DRAWINGS

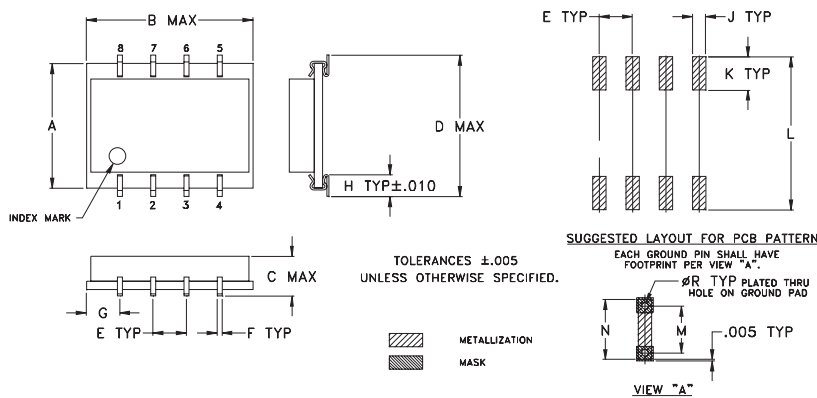
SM1



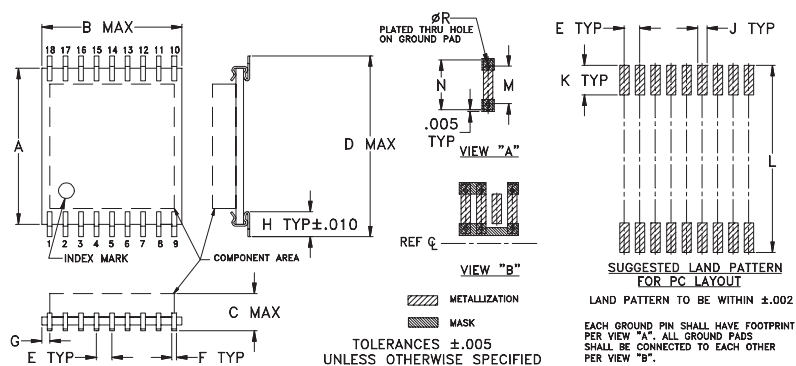
SM2



SM18



SM20A



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
SM31	.200 5.08	.200 5.08	.070 1.78	.275 6.99	.050 1.27	.015 .38	.050 1.27	.085 2.16	.006 0.15	.019 0.48	.300 7.62	.064 1.63	.022 0.56	.032 0.81	— —	.014 0.36	.030 0.76	.094 2.39	0.1	A24, F54
SM33	.250 6.35	.300 7.62	.050 1.27	.310 7.87	.050 1.27	.015 .38	.050 1.27	.066 1.68											0.2	A24, F52
SM34	.380 9.65	.400 10.16	.067 1.70	.420 10.67	.050 1.27	.015 .38	.050 1.27	.060 1.52	.006 0.15	.020 0.51	.430 10.92	.234 5.94	.018 0.46	.015 0.38	.200 5.08	.014 0.36	.030 0.76	.080 2.03	0.3	A24, F51

tolerance .x±.1 .xx±.03 .xxx±.015 inch

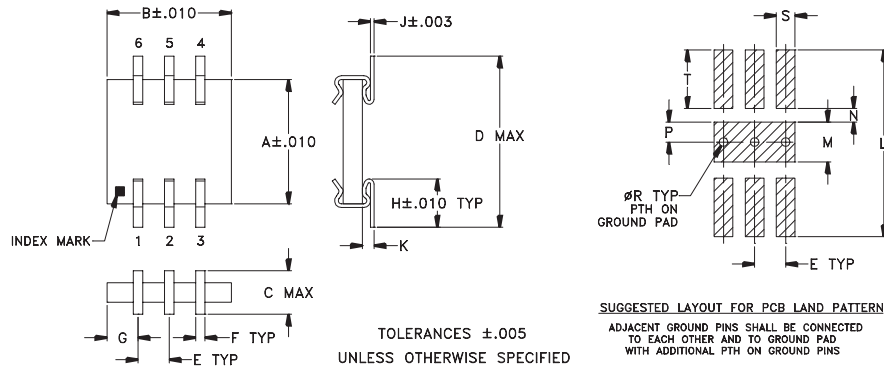
oz. = grams x.0353

* NOTES:

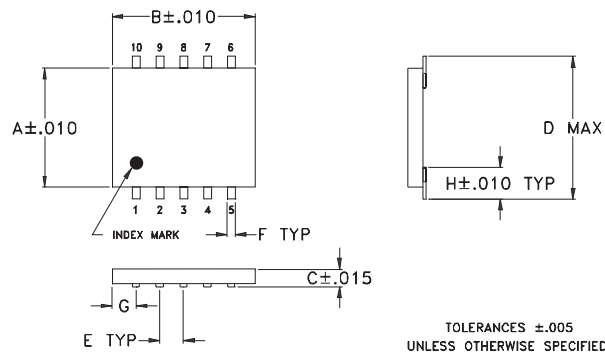
- A. MATERIAL AND FINISH
A24. Case material ceramic. Lead finish: tin-lead plate or tin plate.
- F. PACKAGING
F1-54. Tape and reel packaging available. See Tape and Reel Packaging Information for details.

OUTLINE DRAWINGS

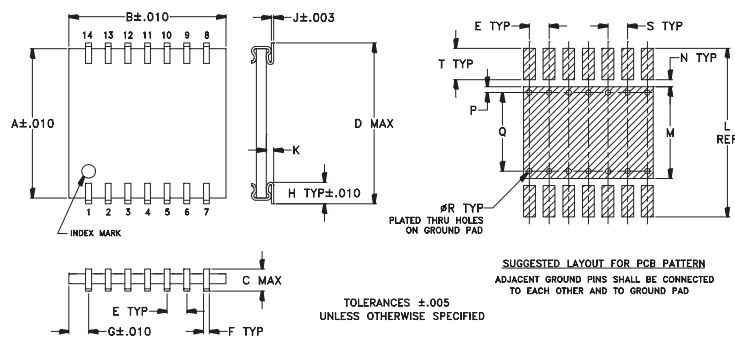
SM31



SM33



SM34



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
SS98	1.25 31.75	1.56 39.62	.75 19.05	.63 16.00	.39 9.91	1.50 38.10	1.000 25.40	—	.125 3.18	.46 11.68	2.18 55.37	1.688 42.88	.07 1.78	.750 19.05	.50 12.70	.80 20.32	.45 11.43	.29 7.37	85.0	A8, A18, B1, D6
TT100	.250 6.35	.31 7.87	.20 5.08	.100 2.54	.050 1.27	.055 1.40	.040 1.02	.070 1.78	.270 6.86	.050 1.27									.50	A14, F2
TT240	.250 6.35	.31 7.87	.20 5.08	.100 2.54	.050 1.27	.055 1.40	.040 1.02	.070 1.78	.270 6.86	.050 1.27									.50	A20, F3
TT241	.250 6.35	.31 7.87	.275 6.99	.100 2.54	.050 1.27	.055 1.40	.040 1.02	.070 1.78	.270 6.86	.050 1.27									.50	A20, F50
UU102	3.50 88.90	2.00 50.80	.50 12.70	.150 3.81	3.350 85.09	1.00 25.40	.125 3.18	1.75 44.45	.20 5.08	.55 13.97									120.0	A10, C2, D17
UU179	8.50 215.90	3.95 100.33	.75 19.05	.250 6.35	8.250 209.55	—	.187 4.75	4.250 107.95	.38 9.65	.500 12.70	.475 12.07	3.475 88.27							710	A4, D17
UU181	2.25 57.15	2.30 58.42	.63 16.00	.125 3.18	2.125 53.98	—	.125 3.18	1.13 28.70	.31 7.87	.500 12.70	.125 3.18	2.175 55.24							94	A4, D17
UU182	2.75 69.85	2.80 71.12	.63 16.00	.125 3.18	2.625 66.68	—	.125 3.18	1.38 35.05	.31 7.87	.500 12.70	.125 3.18	2.675 67.95							140	A4, D17
UU187	6.00 152.40	1.62 41.15	.88 22.35	.250 6.35	5.750 146.05	.810 20.57	.144 3.66	3.00 76.20	.44 11.18	1.00 25.40	—	—							340	A4, D23
UU188	3.50 88.90	2.13 54.10	.88 22.35	.150 3.81	3.350 85.09	1.06 26.92	.125 3.18	1.75 44.45	.44 11.18	.89 22.61	—	—							260	A4, D23
UU215	4.00 101.60	1.25 31.75	.38 9.65	.125 3.18	3.875 98.43	.500 12.70	#2-56 —	2.00 50.80	.19 4.83	.500 12.70	—	1.125 28.58							77	A4, D17
UU233	1.50 38.10	1.00 25.40	.38 9.65	.125 3.18	1.375 34.93	.500 12.70	#2-56 —	.75 19.05	.19 4.83	.50 12.70									28.0	A8, B8, C2, D17
UU244	2.25 57.15	1.25 31.75	.50 12.70	.150 3.81	2.100 53.34	.62 15.75	.125 3.18	1.12 28.45	.19 4.83	.50 12.70									70	A4, C2, D17
UU449	9.78 248.41	3.13 79.50	.88 22.35	.200 5.08	9.580 243.33	—	.144 3.66	4.89 124.21	.44 11.18	.89 22.81	.200 5.08	2.930 74.42	—	—					840	A4, D25
UU573	11.0 279.40	4.00 101.60	.88 22.35	.25 6.35	10.75 273.05	—	.187 4.75	5.50 139.70	.444 11.18	.66 16.78	.25 6.35	3.75 95.25	—	—					1130	A4, D17
UU586	3.50 88.90	3.00 76.20	.63 16.00	.130 3.30	3.380 85.85	1.50 38.10	.125 3.17	1.75 44.45	.32 8.13	.500 12.70									180.0	A4, D17
UU589	6.60 167.64	3.28 83.31	.75 19.05	.150 3.81	6.45 163.83	1.64 41.66	.144 3.66	3.30 83.82	.38 9.53	.500 12.70	—	—							370	A4, D17
UU640	8.50 215.90	4.00 101.60	.50 12.70	.170 4.32	8.330 211.58	—	.201 5.11	4.25 107.95	.19 4.83	.500 12.70	—	3.830 97.28	.150 3.81	8.350 212.09					450	A4, D17
UU846	3.50 88.90	4.50 114.30	.65 16.51	.125 3.18	3.375 85.73	—	.125 3.18	—	.33 8.38	.50 12.70	.400 10.16	4.100 104.14	—	—					288	A4, D17

tolerance .x±.1 .xx±.03 .xxx±.015 inch

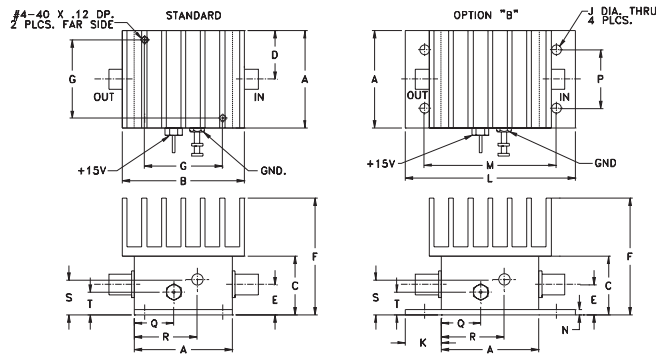
oz. = grams x.0353

* NOTES:

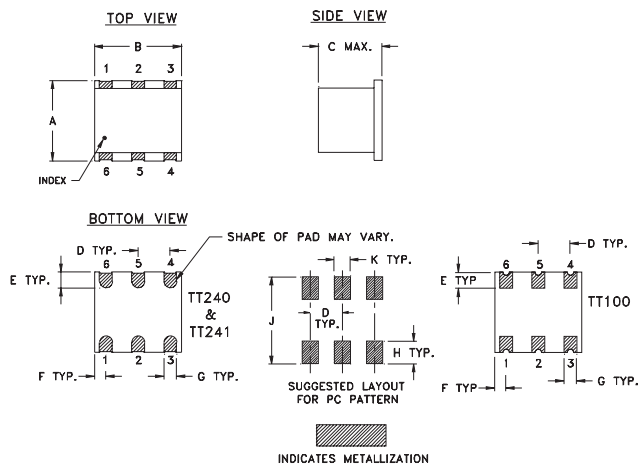
- | | |
|--|---|
| <p>A. MATERIAL AND FINISH</p> <p>A4. Case material: aluminum alloy. Finish: iridite per MIL-C-5541.</p> <p>A8. Case material: aluminum alloy. Finish: case iridite Heat sink, black anodize, if supplied with heat sink.</p> <p>A10. Case material: aluminum alloy. Finish: grey paint or yellow iridite.</p> <p>A14. Case material: ceramic or plastic, ceramic base. Terminations: palladium platinum silver.</p> <p>A15. Case material: kovar. Lead material: kovar. Finish: gold plate per MIL-G-45204.</p> <p>A18. Mounting bracket finish: iridite or clear anodize.</p> <p>A20. Case material: ceramic. Terminations: tin-lead plate over nickel. Board edges straight.</p> <p>B. MOUNTING</p> <p>B1. Mounting bracket available on request. Add suffix B to part number.</p> <p>B7. Pin's meniscus (of header) 0.015" max.</p> <p>B8. #2-56 UNC-2B mounting holes provided to .32" deep minimum.</p> | <p>C. MARKING</p> <p>C2. Consecutive marking n = no. of way power splitter.</p> <p>C4. RF input lead (1) identified by one or both of the following at factory option:</p> <p>(a) diagonally cut lead, which may be 45°(ref) in either direction;</p> <p>(b) orientation mark on the case. Model dash number identified by color dot or alphanumeric code on case. See specification data sheet.</p> <p>C5. RF output is identified by index mark, model dash number by alphanumeric code.</p> <p>D. CONNECTORS</p> <p>D6. Connectors: Female SMA only. Male SMA available on request, consult factory.</p> <p>D17. Connectors: Female SMA only.</p> <p>D23. Connectors: Please specify female type N or SMA.</p> <p>F. PACKAGING</p> <p>F1-50. Tape and reel packaging available. See Tape and Reel Packaging Information for details. To order Tape & Reel version add -TR suffix to model.</p> |
|--|---|

OUTLINE DRAWINGS

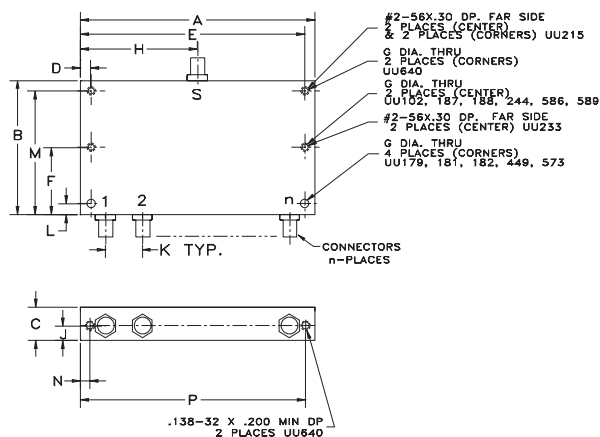
SS



TT



UU



CASE STYLES

OUTLINE DIMENSIONS (inch mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
VV105	.085 2.16	.060 1.52	.008 .20	.020 .51	.250 6.35	.012 .30	.025 .64												.015	A13, C4, E2
WW107	.020 .51	.10 2.54	.020 .51	.092 2.34	.085 2.16	.060 1.52	.008 .20	.026 .66	.235 5.97	.118 3.00	.235 5.97	.118 3.00	.072 1.83	.040 1.02					.015	A13, C4, E2, F4
XX112	.180 4.57	.180 4.57	.060 1.52	.400 10.16	.350 8.89	.050 1.27	.015 0.38	.005 0.13	.005 0.13	.070 1.78	— —	.105 2.67	.025 0.64	.420 10.67	.015 0.38	.180 4.57	.020 0.51		.15	A15, E2, F19
XX211	.163 4.14	.202 5.13	.077 1.96	.250 6.35	.220 5.59	.050 1.27	.017 0.43	.009 0.23	.025 0.64	.030 0.76	— —	.050 1.27	.030 0.76	.270 6.86	— —	— —	— —		.10	A13, E2, F16
XX746	.163 4.14	.202 5.13	.066 1.68	.250 6.35	.220 5.59	.050 1.27	.017 0.43	.009 0.23	.005 0.13	.025 0.64	— —	.050 1.27	.030 0.76	.270 6.86	.030 0.76	.110 2.79	.020 0.51		.08	A13, E2, F16
YY101	.75 19.05	.38 9.65	.20 5.08	.010 .25	.050 1.27	.020 .51	.200 5.08	.075 1.91	.600 15.24	.450 11.43	— —	.47 11.94	.100 2.54	.150 3.81					1.6	A13, E2, E5 F5
YY109	.75 19.05	.38 9.65	.20 5.08	.010 .25	.050 1.27	.020 .51	.200 5.08	.075 1.91	.600 15.24	.72 18.29	— —	.74 18.80	.100 2.54	.150 3.81					1.6	A13, E2, E5
YY161	.75 19.05	.38 9.65	.28 7.11	.010 .25	.050 1.27	.020 .51	.200 5.08	.075 1.91	.600 15.24	.450 11.43	— —	.47 11.94	.100 2.54	.150 3.81					1.6	A13, E2, F6
ZZ121	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.38 9.65	.61 15.49	— —	.800 20.32	.800 20.32	.76 19.30	.125 3.18	1.688 42.88	2.18 55.37	.75 19.05	.07 1.78				85.0	A10, A18, B1, D6

tolerance .x±.1 .xx±.03 .xxx±.015 inch

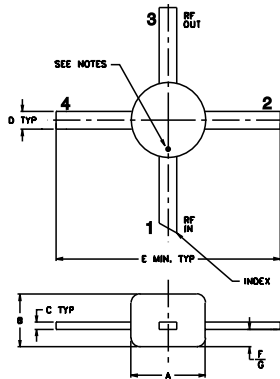
oz. = grams x.0353

* NOTES:

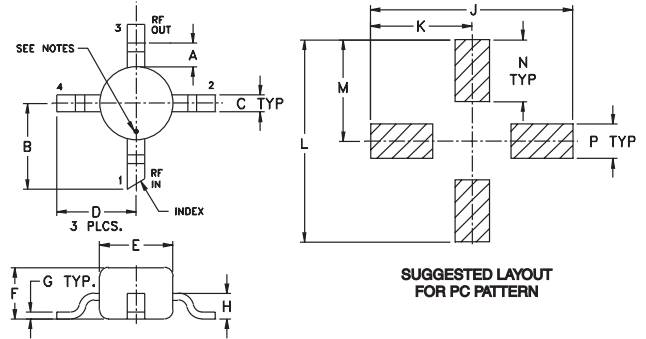
- A. MATERIAL AND FINISH
 A4. Case material: aluminum alloy. Finish: iridite per MIL-C-5541.
 A8. Case material: aluminum alloy. Finish: case iridite Heat sink, black anodize, if supplied with heat sink.
 A10. Case material: aluminum alloy. Finish: grey paint or yellow iridite.
 A13. Case material: plastic. Lead Finish: tin-lead plate or tin plate.
 A14. Case material: ceramic or plastic, ceramic base. Terminations: palladium platinum silver.
 A15. Case material: kovar. Lead material: kovar. Finish: gold plate per MIL-G-45204 .
 A18. Mounting bracket finish: iridite or clear anodize.
 A20. Case material: ceramic. Terminations: tin-lead plate or tin plate over nickel. Board edges straight.
- B. MOUNTING
 B1. Mounting bracket available on request. Add suffix B to part number.
 B7. Pin's meniscus (of header) 0.015" max.
 B8. #2-56 UNC-2B mounting holes provided to .32" deep minimum.
- C. MARKING
 C2. Consecutive marking n = no. of way power splitter.
 C4. RF input lead (1) identified by one or both of the following at factory option: (a) diagonally cut lead, which may be 45°(ref) in either direction; (b) orientation mark on the case. Model dash number identified by color dot or alphanumeric code on case. See specification data sheet.
 C5. RF output is identified by index mark, model dash number by alphanumeric code.
- D. CONNECTORS
 D6. Connectors: Female SMA only. Male SMA available on request, consult factory.
 D17. Connectors: Female SMA only.
 D23. Connectors: Please specify female type N or SMA.
- E. SPECIAL TOLERANCES
 E1. Pin diameter ±.005 inch.
 E2. Lead width ±.010; lead thickness ±.003 inch.
 E5. For SCM mixers, long lead version (YY109) is available upon request; consult factory. To order short lead version (case YY101) add -NL suffix.
- F. PACKAGING
 F1-50. Tape and reel packaging available. See Tape and Reel Packaging Information for details. To order Tape & Reel version add -TR suffix to model.

OUTLINE DRAWINGS

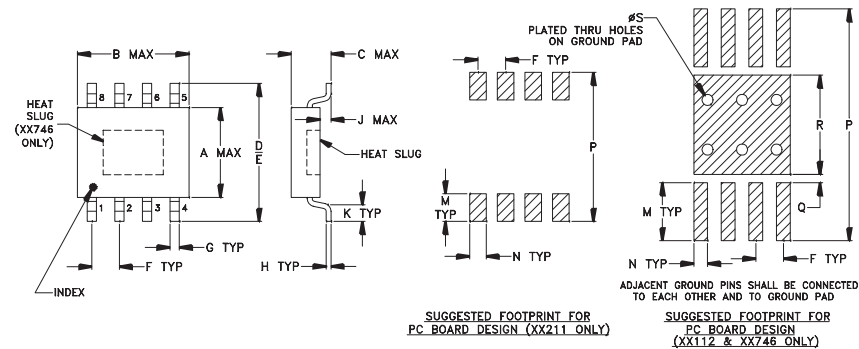
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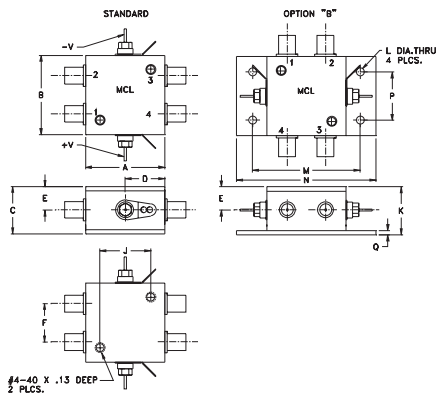
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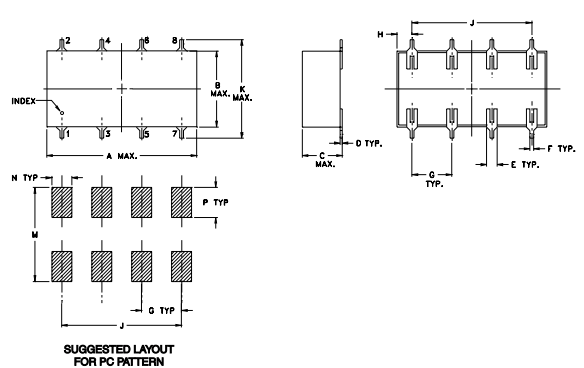
XX



ZZ



YY



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
AAA118	1.50 38.10	.50 12.70	.935 23.75	.040 1.02	1.100 27.94	.19 4.83	.400 10.16	.15 3.81	.600 15.24	.300 7.62	.20 5.08	.14 3.56							19	A1, E1, B7
BBB123	.145 3.69	.100 2.54	.04 1.02	.006 .15	.030 .76	.488 12.40													.015	A13, C5, E2
CCC127	2.25 57.15	1.38 35.05	1.24 31.50	.50 12.70	.150 3.81	3.100 78.74	.138 3.51	1.238 31.45	3.25 82.55	.12 3.05	.80 20.32	.69 17.53	1.60 40.64	.60 15.24	1.200 30.48	.52 13.21	.82 20.83	.150 3.81	80.0	A6, A11, A18, D17
DDD131	7.00 177.80	3.25 82.55	3.13 79.50	.25 6.35	6.500 165.10	.38 9.65	2.500 63.50	.156 3.96	.88 22.35	.43 10.92	.62 15.75	1.00 25.40	2.63 66.68	.125 3.18	.50 12.70	6.00 152.40	2.23 56.64	8.35 212.09	1884.0	A7, A18, D6
DDD338	7.00 177.80	3.25 82.55	3.13 79.50	.25 6.35	6.500 165.10	.38 9.65	2.500 63.50	.156 3.96	.88 22.35	.73 18.54	.62 15.75	1.13 28.70	2.23 56.64	.125 3.18	.50 12.70	6.00 152.40	2.23 56.64	8.35 212.09	1884.0	A7, A18, D6
EEE132	.90 22.86	.90 22.86	.675 17.15	.245 6.22	.45 11.43	1.34 34.04	.09 2.29	1.152 29.26	.09 2.29	.712 18.08	.22 5.59	.106 2.69	.05 1.27						50.0	A4, A18, D6
FFF122	.83 21.08	.83 21.08	.18 4.57	.10 2.54	.100 2.54	.600 15.24	.95 24.13	.017 .43	.15 3.81										5.0	A15, E1
GGG126	2.25 57.15	1.38 35.05	1.24 31.50	.50 12.70	.150 3.81	3.100 78.74	.138 3.51	1.238 31.45	3.25 82.55	.12 3.05	.80 20.32	.69 17.53	—	.60 15.24	1.200 30.48	.52 13.21	.82 20.83	.150 3.81	80.0	A6, A11, A18, D17
HHH141	2.00 50.80	2.00 50.80	.95 24.13	1.062 26.98	0.125 3.18	1.75 44.45	.125 3.18	0.575 14.60	1.00 25.40	1.35 34.29									200.0	A10, C1, D6
JJJ142	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.38 9.65	.32 8.13	—	.80 20.32	.80 20.32										70.0	A10, D17
JJJ245	.75 19.05	1.00 25.40	.58 14.73	.38 9.65	.29 7.37	.35 8.89													22.0	A4, B9, D6
MMM168	.045 1.14	.055 1.40	.105 2.67	.120 3.05	.047 1.19	.005 0.13	.083 2.11	.104 2.64	.070 1.78	.080 2.03	.018 0.46	.024 0.61	.030 0.76	.036 0.91	.015 0.38	.021 0.53	.023 0.58	.004 0.10	.01	A13, F8

tolerance .x±.1 .xx±.03 .xxx±.015 inch

oz. = grams x.0353

* NOTES:

- A. MATERIAL AND FINISH
 A1. Header material C.R.S. Pin material: #52 alloy. Finish: electro tin, hot oil flowed.
 Cover material: cupro-nickel.
 A4. Case material: aluminum alloy. Finish: iridite per MIL-C-5541.
 A6. Case material: aluminum alloy. Finish: blue paint over iridite.
 A7. Case material: aluminum alloy. Finish: case black paint. Heat sink: black anodize.
 Baseplate iridite per MIL-C-5541.
 A10. Case material: aluminum alloy. Finish: grey paint or yellow iridite.
 A11. Case material: aluminum alloy. Finish: blue anodized.
 A13. Case material: plastic. Lead finish: tin-lead plate or tin-plate.
 A15. Case material: kovar. Lead material: kovar. Finish: gold plate per MIL-G-45204.
 A18. Mounting bracket finish: iridite or clear anodize.
- B. MOUNTING
 B7. Pin's meniscus (of header) 0.015" max.
 B9. No mounting holes.
- C. MARKING
 C1. For port markings 1, 2, and 3 see specification data sheet.
 C5. RF output is identified by index mark, model dash number by alphanumeric code.
- D. CONNECTORS
 D6. Connectors: Female SMA only. Male SMA available on request, consult factory.
 D17. Connectors: Female SMA only.
- E. SPECIAL TOLERANCES
 E1. Pin diameter ±.005 inch.
 E2. Lead width ±.010; lead thickness ±.003 inch
- F. PACKAGING
 F1-29. Tape and reel packaging available. See Tape and Reel Packaging Information for details.
 To order Tape & Reel version add -TR suffix to model.



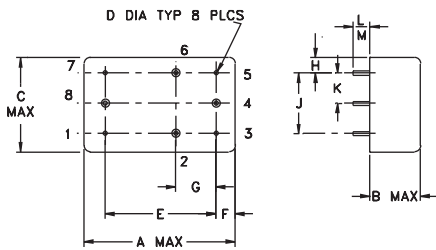
Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

ISO 9001 CERTIFIED

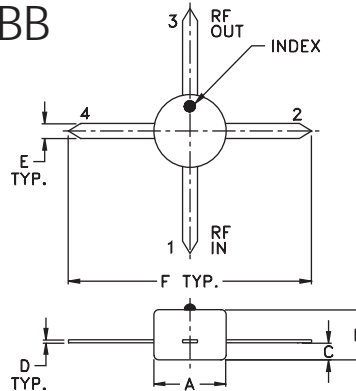
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OUTLINE DRAWINGS

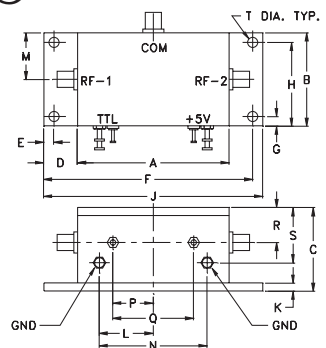
AAA



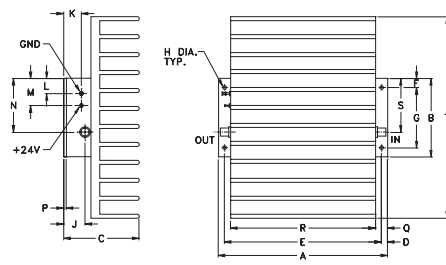
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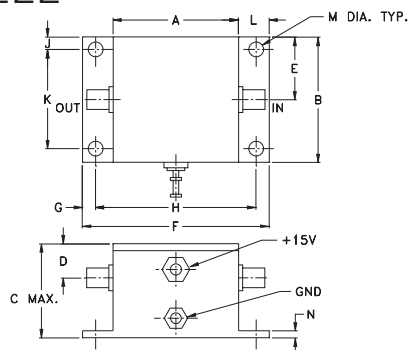
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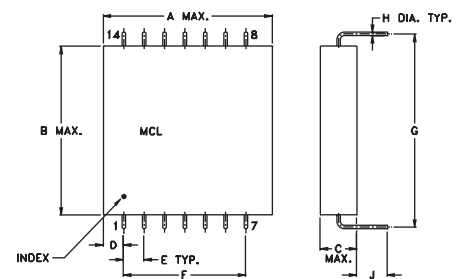
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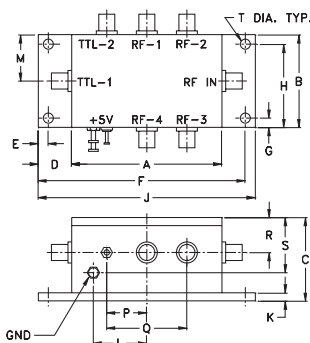
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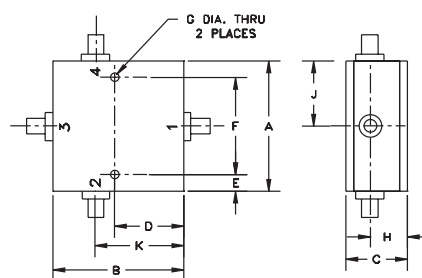
FFF



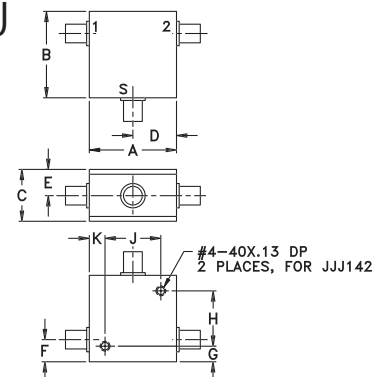
GGG



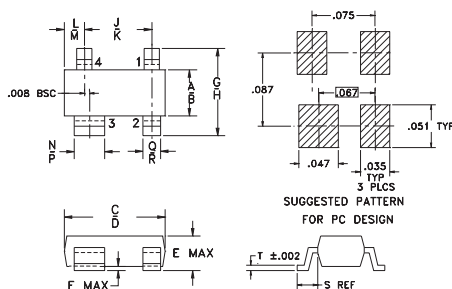
HHH



JJJ



MMM



CASE STYLES

OUTLINE DIMENSIONS (inch/mm)

case no.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt. grams.	NOTES*
NNN150	.50 12.70	.48 12.19	.255 6.48	.240 6.10	.23 5.84	.21 5.33	.06 1.52	.100 2.54	.09 2.29	.16 4.06	.020 .51	.09 2.29	.005 .13						1.9	A1, E1, F9, B7
PPP83	.75 19.05	.38 9.65	.20 5.08	.010 .25	.05 1.27	.020 .51	.200 5.08	.075 1.91	.200 5.08	.14 3.56	.060 1.52								1.6	A13, E2
QQQ130	.400 10.16	.31 7.87	.20 5.08	.10 2.54	.010 .25	.100 2.54	.050 1.27	.420 10.67	.120 3.05	.060 1.52	.100 2.54	.020 .51							.55	A24, E2, F10
QQQ569	.390 9.90	.31 7.87	.225 5.72	—	—	.100 2.54	.045 1.14	.420 10.67	.120 3.05	.060 1.52	.100 2.54	—							.50	A24, E6, F30
QQQ828	.400 10.16	.310 7.87	.050 1.27	.10 2.54	.010 .25	.100 2.54	.050 1.27	.420 10.67	.120 3.05	.060 1.52	.100 2.54	.020 .51							.20	A24, E2, F57
RRR137	.28 7.11	.14 3.56	.030 .76	.020 .51	.145 3.68	.110 2.79	.006 .15	.010 .25	.030 .76										.015	A13, C5, E2, F11
SSS173	1.25 31.75	1.25 31.75	.75 19.05	.63 16.00	.38 9.65	1.000 25.40	.125 3.18	1.000 25.40	—	—	.125 3.18	1.688 42.88	2.18 55.38	.75 19.05	.07 1.78				75	A10, A18, D17
TTT166	.375 9.53	.500 12.70	.15 3.81	.020 .51	.075 1.91	.250 6.35	.425 10.80	.187 4.75	.050 1.27	.050 1.27	.070 1.78	.270 6.86	.540 13.72	.060 1.52	.095 2.41	.445 11.30	.208 5.28	.415 10.54	.8	A19, F12
TTT167	.375 9.53	.500 12.70	.23 5.84	.020 0.51	.075 1.91	.250 6.35	.425 10.80	.187 4.75	.050 1.27	.050 1.27	.070 1.78	.270 6.86	.540 13.72	.060 1.52	.095 2.41	.445 11.30	.208 5.28	.415 10.54	.8	A19, F13
VVV180	1.80 45.72	1.75 44.45	.66 16.76	.125 3.18	1.675 42.55	.125 3.18	.125 3.18	1.625 41.28	.31 7.87	.63 16.00	1.13 28.70	.88 22.35							34	A4, D17
VVV845	4.50 114.30	2.50 63.50	.67 17.02	.400 10.16	4.100 104.14	.125 3.18	.125 3.18	2.375 60.33	.33 8.38	.75 19.05	1.75 44.45	1.25 31.75							247	A4, D17

tolerance .x±.1 .xx±.03 .xxx±.015 inch

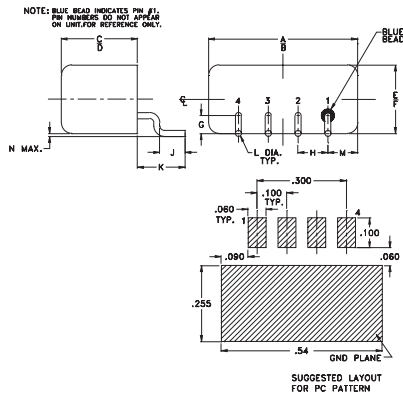
oz. = grams x.0353

*NOTES:

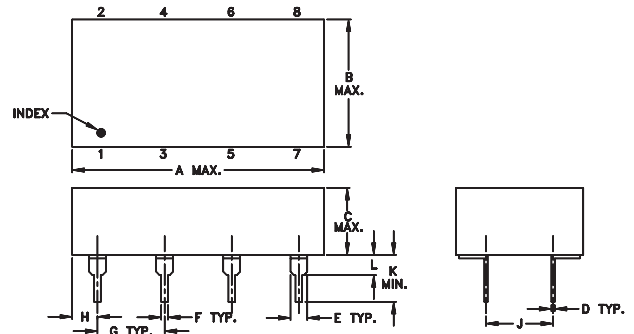
- A. MATERIAL AND FINISH
 - A1. Header material C.R.S Pin material: #52 alloy. Finish: electro tin, hot oil flowed. Cover material: cupro-nickel.
 - A4. Case material: aluminum alloy. Finish: iridite per MIL-C-5541.
 - A10. Case material: aluminum alloy. Finish: grey paint or yellow iridite.
 - A13. Case material: plastic. Lead finish: tin-lead plate or tin-plate
 - A18. Mounting bracket finish: iridite or clear anodize.
 - A19. Case material plastic or copper-nickel alloy. Glass epoxy laminate base. Termination finish: tin-lead plate or tin plate.
 - A24. Case material ceramic. Lead finish: tin-lead plate or tin plate.
 - A39. Open style, Ceramic base. Termination Finish: palladium silver
- B. MOUNTING
 - B7. Pin's meniscus (of header) 0.015" max.
- C. MARKING
 - C5. RF output is identified by index mark, model dash number by alphanumeric code.
- D. CONNECTORS
 - D17. Connectors; Female SMA only.
- E. SPECIAL TOLERANCES
 - E1. Pin diameter ±.005 inch.
 - E2. Lead width ±.010; lead thickness ±.003 inch.
- F. PACKAGING
 - F1-30. Tape and reel packaging available. See Tape & Reel packaging information for details.

OUTLINE DRAWINGS

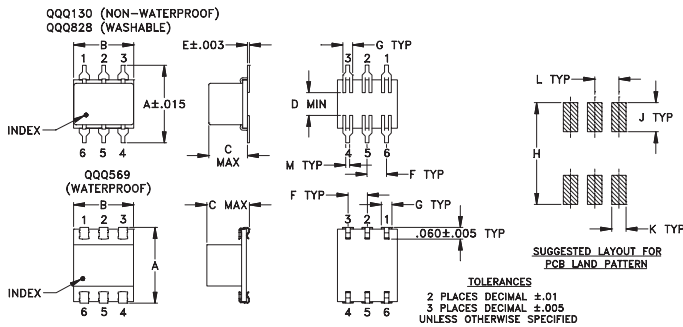
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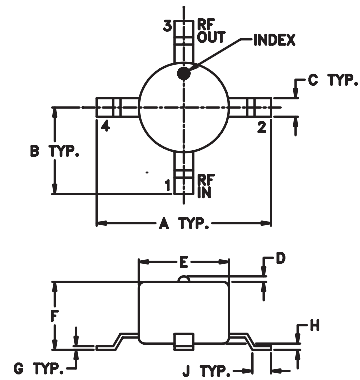
PPP



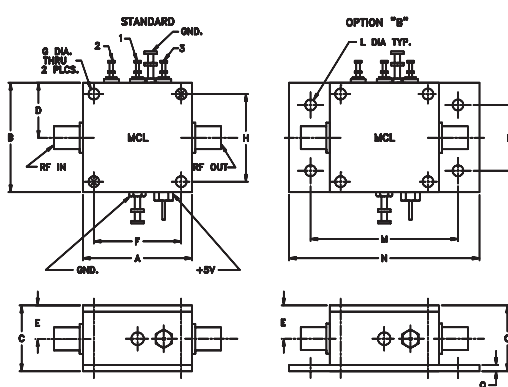
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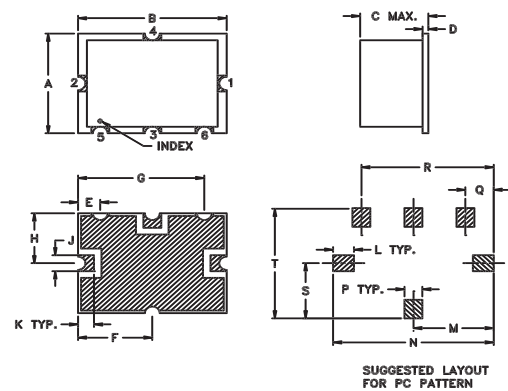
RRR



SSS



TTT



VVV

