

AMPLIFIER SELECTION GUIDE

		MODEL NO.	FREQ. [MHz] f _L f _U	GAIN [dB] MIN.	MAX ⁽¹⁾ POWER [dBm]	N.F. [dB] TYP.	3rd ORDER I.P. [dBm]	VSWR ⁽²⁾		DC POWER V [VOLT] I [mA]		CASE STYLE	STD. CONN.	OPTION
MONOLITHIC	PIN	ERA-1	DC-8000	9.0	+12.0	4.3	+26.0	1.5:1	1.5:1	+3.4	40	VV105		
		ERA-2	DC-6000	13.0	+13.0	4.0	+26.0	1.3:1	1.2:1	+3.4	40	VV105		
		ERA-3	DC-3000	16.0	+12.5	3.5	+25.0	1.5:1	1.4:1	+3.2	35	VV105		
		ERA-4	DC-4000	11.0	+17.3	4.2	+34.0	1.2:1	1.3:1	+4.5	65	VV105		
		ERA-5	DC-4000	16.0	+18.4	4.3	+32.5	1.3:1	1.3:1	+4.9	65	VV105		
		ERA-6	DC-4000	10.5	+17.9	4.5	+36.0	1.3:1	1.6:1	+5.0	70	VV105		
	• SURFACE MOUNT	ERA-1SM	DC-8000	9.0	+12.0	4.3	+26.0	1.5:1	1.5:1	+3.4	40	WW107		
		ERA-2SM	DC-6000	13.0	+13.0	4.0	+26.0	1.3:1	1.2:1	+3.4	40	WW107		
		ERA-21SM	DC-8000	11.2	+12.6	4.7	+26.0	1.1:1	1.3:1	+3.5	40	WW107		
		ERA-3SM	DC-3000	16.0	+12.5	3.5	+25.0	1.5:1	1.4:1	+3.2	35	WW107		
		ERA-33SM	DC-3000	15.0	+13.5	3.9	+28.5	1.6:1	1.25:1	+4.3	40	WW107		
		ERA-4SM	DC-4000	11.0	+17.3	4.2	+34.0	1.2:1	1.3:1	+4.5	65	WW107		
		ERA-5SM	DC-4000	16.0	+18.4	4.3	+32.5	1.3:1	1.2:1	+4.9	65	WW107		
		ERA-50SM	DC-1500	16.0	+17.2	3.5	+32.5	1.3:1	1.2:1	+4.4	60	WW107		
		ERA-51SM	DC-4000	14.0	+18.1	4.1	+33.0	1.1:1	1.2:1	+4.5	65	WW107		
		ERA-6SM	DC-4000	10.5	+17.9	4.5	+36.0	1.3:1	1.6:1	+5.0	70	WW107		
		ERA-8SM	DC-2000	17.0	+12.5	3.1	+25.0	1.4:1	1.8:1	+3.7	36	WW107		
		Gali-1	DC-8000	9.0	+10.5	4.5	+27.0	1.3:1	1.4:1	+3.4	40	DF782		
		Gali-19	DC-7000	9.6	+9.0	6.5	+23.7	1.6:1	1.5:1	+3.6	40	DF782		
		Gali-2	DC-8000	12.0	+11.0	4.6	+27.0	1.6:1	1.6:1	+3.5	40	DF782		
		Gali-21	DC-8000	11.5	+10.5	4.0	+27.0	1.1:1	1.3:1	+3.5	40	DF782		
		Gali-29	DC-7000	12.7	+10.0	6.0	+24.7	1.5:1	1.5:1	+3.6	40	DF782		
		Gali-3	DC-3000	17.5	+10.5	3.5	+25.0	1.5:1	1.2:1	+3.3	35	DF782		
		Gali-33	DC-4000	16.0	+11.4	3.9	+28.0	1.6:1	1.2:1	+4.3	40	DF782		
		Gali-39	DC-7000	17.7	+9.0	4.9	+22.9	1.6:1	1.5:1	+3.5	35	DF782		
		Gali-4	DC-4000	11.0	+16.0	4.0	+34.0	1.2:1	1.4:1	+4.6	65	DF782		
		Gali-4F	DC-4000	11.0	+13.8	4.0	+32.0	1.2:1	1.5:1	+4.4	50	DF782		
		Gali-49	DC-5000	11.5	+15.0	5.5	+33.3	1.7:1	1.5:1	+5.0	65	DF782		
		Gali-5	DC-4000	16.0	+16.0	3.5	+35.0	1.2:1	1.4:1	+4.4	65	DF782		
		Gali-5F	DC-4000	15.5	+14.2	3.5	+31.5	1.2:1	1.4:1	+4.3	50	DF782		
		Gali-51	DC-4000	14.0	+16.5	3.5	+35.0	1.3:1	1.5:1	+4.5	65	DF782		
		Gali-51F	DC-4000	14.0	+14.4	3.5	+32.0	1.2:1	1.5:1	+4.4	50	DF782		
		Gali-52	DC-2000	16.0	+13.5	2.7	+32.0	1.35:1	1.4:1	+4.4	50	DF782		
		Gali-55	DC-4000	17.0	+13.5	3.3	+28.5	1.25:1	1.3:1	+4.3	50	DF782		
		Gali-59	DC-5000	16.3	+16.5	4.3	+33.3	1.6:1	1.5:1	+4.8	65	DF782		
		Gali-6	DC-4000	10.0	+16.5	4.5	+35.5	1.5:1	1.8:1	+5.0	70	DF782		
		Gali-6F	DC-4000	10.0	+14.3	4.5	+35.5	1.5:1	1.9:1	+4.8	50	DF782		
		Gali-S66	DC-3000	15.0	+1.0	2.7	+18.0	1.25:1	1.7:1	+3.5	16	DF782		
		HELA-10	50-1000	10.5	+30.0	3.5	+47.0	1.22:1	1.22:1	+12.0	525	CM624		
		LEE-19	DC-8000	9.6	+10.2	6.5	+24.5	1.5:1	1.4:1	+3.6	40	FG873		
		LEE-29	DC-8000	13.3	+10.9	5.5	+25.5	1.4:1	1.3:1	+3.6	40	FG873		
		LEE-39	DC-8000	18.5	+10.4	4.5	+23.4	1.3:1	1.3:1	+3.5	35	FG873		
		LEE-49	DC-5000	12.0	+16.4	5.5	+33.0	1.6:1	1.4:1	+4.9	65	FG873		
		LEE-59	DC-5000	17.8	+17.3	4.5	+33.0	1.5:1	1.5:1	+4.8	65	FG873		
		MAR-1SM	DC-1000	13.0	+1.5	5.5	+14.0	1.3:1	1.3:1	+5.0	17	WW107		
		MAR-2SM	DC-2000	8.5	+4.5	6.5	+17.0	1.3:1	1.4:1	+5.0	25	WW107		
		MAR-3SM▼	DC-2000	8.0	+10.0	6.0	+23.0	1.5:1	1.7:1	+5.0	35	WW107		
		MAR-4SM	DC-1000	7.0	+12.5	6.5	+25.5	1.6:1	2.0:1	+5.3	50	WW107		
		MAR-6SM▼	DC-2000	9.0	+2.0	3.0	+14.5	1.5:1	1.4:1	+3.5	16	WW107		
		MAR-7SM▼	DC-2000	8.5	+5.5	5.0	+19.0	1.4:1	1.5:1	+4.0	22	WW107		
		MAR-8SM	DC-1000	19.0	+12.5	3.3	+27.0	3.1:1	3.1:1	+7.8	36	WW107		
		MAV-11SM	50-1000	9.0	+17.5	3.6	+30.0	1.5:1	1.7:1	+5.5	60	RRR137		
		MAV-11A	50-2000	9.0	+18.5	4.8	+35.0	1.4:1	1.1:1	+5.5	60	DH820		
		MNA-2	500-2500	10.3	+17.7	5.4	+28.0	1.5:1	1.6:1	+5.0	76	DQ849		
		MNA-3	500-2500	13.0	+11.4	4.9	+21.3	1.9:1	1.5:1	+5.0	30	DQ849		
		MNA-4	500-2500	14.0	+19.0	4.8	+29.0	1.5:1	1.7:1	+5.0	75	DQ849		
		MNA-5	500-2500	17.0	+12.2	3.5	+21.0	1.6:1	1.9:1	+5.0	28	DQ849		
		MNA-6	500-2500	21.5	+18.0	2.9	+28.0	1.5:1	1.6:1	+5.0	72	DQ849		
		MNA-7	1500-5900	15.0	+15.9	6.9	+28.6	2.0:1	1.5:1	+5.0	73	DQ849		
		RAM-1	DC-1000	13.0	+1.5	5.5	+14.0	1.3:1	1.3:1	+5.0	17	AF190		
	RAM-2	DC-2000	8.5	+4.5	6.5	+17.0	1.2:1	1.4:1	+5.0	25	AF190			
	RAM-3	DC-2000	8.0	+10.0	6.0	+23.0	1.6:1	1.7:1	+5.0	35	AF190			
	RAM-4	DC-1000	7.0	+12.5	6.5	+25.5	1.4:1	1.9:1	+5.3	50	AF190			
	RAM-6	DC-2000	9.0	+2.0	2.8	+14.5	1.4:1	1.3:1	+3.5	16	AF190			
	RAM-7	DC-2000	8.5	+5.5	4.5	+19.0	2.0:1	1.8:1	+4.0	22	AF190			
	RAM-8	DC-1000	19.0	+12.5	3.0	+27.0	3.1:1	3.1:1	+7.8	36	AF190			
	VNA-21	500-2500	12.6	+8.5	6.4	+20.0	1.4:1	1.3:1	+5.0	31	XX211			
	VNA-22	500-2500	11.8	+17.0	6.7	+29.0	1.6:1	1.4:1	+5.0	80	XX211			
	VNA-23	500-2500	15.4	+10.0	4.7	+21.0	1.5:1	1.3:1	+5.0	32	XX211			
	VNA-25	500-2500	16.0	+18.2	5.5	+29.0	1.5:1*	1.6:1	+5.0	85	XX211			
	VNA-28	500-2500	19.7	+11.0	3.7	+22.0	1.6:1	1.5:1	+5.0	33	XX211			

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ISO 9001 CERTIFIED

		MODEL NO.	FREQ. [MHz] f _l f _u	GAIN [dB] MIN.	MAX ⁽¹⁾ POWER [dBm]	N.F. [dB] TYP.	3rd ORDER I.P. [dBm]	VSWR ⁽²⁾ IN OUT		DC POWER V I VOLT [mA]	CASE STYLE	STD. CONN.	OPTION			
VAR. GAIN	CON	ZFL-1000G ZFL-1000GH	10-1000 10-1200	17.0 24.0	+3.0 +13.0	12.0 15.0	+13.0 +25.0	2.0:1 2.2:1	2.0:1 2.0:1	+15.0 +15.0	100 170	Y39 Y39	SMA SMA	— —		
	PIN	AMP-76 AMP-77 AMP-75 AMP-15 MAN-1HLN MAN-1LN TO-0812LN TO-1217LN TO-1724LN	5-500 5-500 5-500 5-1000 10-500 0.5-500 800-1200 1200-1700 1700-2400	26.0 15.0 19.0 13.0 10.0 28.0 20.0 20.0 20.0	+13.5 +16.0 +12.0 +8.0 +15.0 +8.0 +8.0 +10.0 +10.0	3.1 3.3 2.4 2.8 3.7 2.8 1.2 1.6 1.6	+28.0 +32.0 +28.0 +22.0 +30.0 +18.0 +22.5 +25.0 +22.0	2.0:1 2.0:1 2.0:1 2.0:1 1.8:1 1.8:1 2.5:1 2.5:1 2.5:1	2.0:1 2.0:1 2.0:1 2.0:1 1.8:1 1.8:1 2.5:1 2.5:1 2.5:1	+15.0 +15.0 +15.0 +15.0 +12.0 +12.0 +15.0 +15.0 +15.0	71 56 31 29 70 60 70 70 70	PP120 PP120 PP120 PP120 A06 A05 QQ96 QQ96 QQ96				
LOW NOISE (N.F. <4.0 dB)	CON	ZFL-500LN ZFL-1000LN ZFL-500HLN ZEL-0812LN ZHL-0812HLN ZHL-0812MLN ZEL-1217LN ZHL-1217HLN ZHL-1217MLN ZEL-1724LN ZHL-1724HLN ZHL-1724MLN ZQL-900LNW ZQL-900MLNW ZQL-900LN ZQL-900MLN ZQL-1900LNW ZQL-1900MLNW ZQL-1900LN ZQL-1900MLN ZQL-2700MLNW	0.1-500 0.1-1000 10-500 800-1200 800-1200 800-1200 1200-1700 1200-1700 1200-1700 1700-2400 1700-2400 1700-2400 800-900 800-900 824-849 824-849 1700-2000 1800-2000 1850-1910 1850-1910 2200-2700	24.0 20.0 19.0 20.0 30.0 28.0 20.0 30.0 30.0 20.0 30.0 28.0 13.0 22.0 15.0 25.5 14.0 23.0 15.0 25.0 25.0	+5.0 +3.0 +16.0 +8.0 +26.0 +20.0 +10.0 +26.0 +20.0 +10.0 +26.0 +20.0 +21.0 +23.0 +21.0 +24.5 +18.5 +25.0 +19.0 +26.0 +25.0	2.9 2.9 3.8 1.5 1.5 1.3 1.5 1.5 1.2 1.5 1.5 1.2 1.0 1.2 1.0 1.0 0.9 1.1 0.9 1.1 1.0	+14.0 +14.0 +30.0 +18.0 +36.0 +33.0 +25.0 +36.0 +34.0 +22.0 +36.0 +32.0 +35.0 +41.0 +35.0 +41.0 +37.0 +41.0 +37.0 +41.0 +38.0	1.5:1 1.5:1 1.5:1 2.5:1 2.4:1 1.5:1 2.5:1 2.4:1 1.5:1 2.5:1 2.4:1 1.5:1 1.2:1 1.3:1 1.2:1 1.3:1 1.15:1 1.4:1 1.15:1 1.25:1 1.25:1	1.6:1 2.0:1 1.5:1 2.5:1 2.4:1 1.6:1 2.5:1 2.4:1 1.6:1 2.5:1 2.4:1 1.6:1 1.1:1 1.4:1 1.1:1 1.4:1 1.25:1 1.25:1 1.25:1 1.20:1 1.15:1	+15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0 +15.0	60 60 110 70 725 300 70 725 300 70 725 300 160 230 160 230 160 310 160 310 325	Y39 Y39 Y39 EEE132 NN92 S32 EEE132 NN92 S32 EEE132 NN92 S32 CW686 CW686 CW686 CW686 CW686 CW686 CW686 CW686 CW686	SMA SMA SMA SMA SMA SMA SMA SMA SMA SMA SMA SMA SMA SMA	BNC — — — — — — — — — — — — — — — — —		
		HIGH ISOLATION	PIN	MAN-2AD MAN-11AD MAN-1AD	2-1000 2-2000 5-500	9.0 8.0 16.0	-3.5 -3.5 +7.0	6.5 6.5 7.2	+14.0 +14.0 +20.0	2.0:1 3.0:1 1.6:1	2.0:1 2.0:1 1.7:1	+15.0 +15.0 +12.0	22 22 85	A05 A05 A05		
			CON	ZFL-2AD ZFL-11AD ZFL-1HAD ZFL-2HAD ZHL-1HLD ZX60-2510M ZX60-2514M ZX60-2522M ZX60-5916M	2-1000 2-2000 10-500 50-1000 225-400 500-2500 500-2500 500-2500 1500-5900	9.0 8.0 10.0 11.0 23.0 10.4 14.0 21.5 15.5	-3.5 -3.5 +20.0 +20.0 +27.0 +17.1 +18.3 +19.2 +14.5	6.5 6.5 7.5 5.0 2.5 5.4 4.8 3.0 6.4	+14.0 +14.0 +30.0 +33.0 +40.0 +28.8 +30.3 +30.6 +28.3	2.0:1 2.5:1 1.3:1 2.0:1 2.0:1 1.5:1 1.5:1 1.5:1 2.2:1	2.0:1 2.0:1 1.35:1 2.0:1 2.0:1 1.6:1 1.7:1 1.7:1 1.2:1	+15.0 +15.0 +15.0 +15.0 +24.0 +5.0 +5.0 +5.0 +5.0	22 22 115 110 525 20 20 17 20	Y39 Y39 SS98 SS98 T34 GC957 GC957 GC957 GC957	SMA SMA SMA SMA SMA SMA SMA SMA SMA	— — — — — — — — —
		LOW POWER	PIN	MAN-1 MAN-2 AMP-3G	0.5-500 0.5-1000 30-3000	28.0 18.0 8.0	+8.0 +9.0 +9.5	4.5 6.0 3.5	+18.0 +19.0 +20.0	1.8:1 1.8:1 2.6:1	1.8:1 1.8:1 2.5:1	+12.0 +12.0 +15.0	60 85 55	A05 A05 PP230		
			CON	ZFL-500 ZFL-1000 ZFL-750 ZJL-7G ZJL-6G ZJL-3G	0.05-500 0.1-1000 0.2-750 20-7000 20-6000 20-3000	20.0 17.0 18.0 7.5 10.0 14.0	+9.0 +9.0 +9.0 +9.0 +10.0 +8.0	5.3 6.0 6.0 5.0 4.5 3.8	+18.0 +18.0 +18.0 +24.0 +24.0 +22.0	1.9:1 1.5:1 1.5:1 1.5:1 1.5:1 1.4:1	1.9:1 2.0:1 2.0:1 1.5:1 1.4:1 1.6:1	+15.0 +15.0 +15.0 +12.0 +12.0 +12.0	60 105 90 50 50 45	Y460 Y460 Y460 BW459 BW459 BW459	SMA SMA SMA SMA SMA SMA	BNC — — — — —

⁽¹⁾ Minimum output power at 1 dB gain compression. For LEE, MNA, VNA, ZX60-M models, typical.

⁽²⁾ For ERA, Gali, LEE, VAM-77 models, VSWR given as DC-3GHz; ERA-50SM DC-1.5 GHz; ERA-8SM DC-1GHz. For MNA and VNA models, VSWR given as 750-2500 MHz, except MNA-7 which is 2.5-5.9 GHz.

- Surface Mount.

▼ Alternate package style SOT 143, see VAM series.

* Increase below 1500 MHz.

Using the Selection Guide:

Locate the Mini-Circuits' amplifier best suited for your particular application quickly with this convenient Selection Guide. Amplifiers are grouped into ten major categories and then listed in the sequence of frequency span. If your amplifier requirements are not met by the catalog models listed, we encourage you to contact our Application Engineering Department. You will find them courteous and eager to support your needs with their depth of knowledge coupled with our extensive database on engineering and catalog models.

See next page for continuation of Amplifier Selection Guide.

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		MODEL NO.	FREQ. [MHz] f _L f _U	GAIN [dB] MIN.	MAX ^[1] POWER [dBm]	N.F. [dB] TYP.	3rd ORDER I.P. [dBm]	VSWR		DC POWER V I VOLT [mA]		CASE STYLE	STD. CONN.	
		IN	OUT											OPTION
MEDIUM POWER	PIN	AMP-2000	10-2000	20.0	+15.0	5.0	+25.0	2.0:1	2.0:1	+150.0	100	QQ96		
	CON	ZHL-6A	.0025-500	21.0	+23.0	9.5	+34.0	1.8:1	2.0:1	+24.0	350	S32	BNC	—
		ZFL-1000H	10-1000	28.0	+20.0	5.0	+33.0	2.0:1	2.0:1	+15.0	150	SS98	SMA	—
		ZFL-1000VH	10-1000	20.0	+25.0	4.5	+38.0	2.0:1	2.5:1	+15.0	320	SS98	SMA	—
		ZFL-1000VH2	10-1000	26.0	+25.0	5.0	+38.0	2.0:1	2.5:1	+15.0	320	SS98	SMA	—
		ZFL-2000	10-2000	20.0	+16.0	7.0	+25.0	2.0:1	2.0:1	+15.0	120	SS98	SMA	—
		ZFL-2500	500-2500	28.0	+15.0	8.0	+27.0	2.5:1	2.5:1	+5.0	220	Y460	SMA	—
		ZFL-2500VH	10-2000	20.0	+24.0	5.5	+35.0	1.7:1	2.0:1	+15.0	300	SS98	SMA	—
		ZHL-1042J	10-2000	25.0	+20.0	4.5	+30.0	2.5:1	2.5:1	+15.0	300	NN92	SMA	—
		ZJL-4G	20-4000	10.0	+11.0	5.5	+30.5	1.4:1	1.6:1	+12.0	75	BW459	SMA	—
		ZJL-4HG	20-4000	13.0	+12.0	4.5	+30.5	1.5:1	1.4:1	+12.0	75	BW459	SMA	—
		ZJL-5G	20-5000	7.0	+9.5	8.5	+32.0	1.6:1	1.3:1	+12.0	80	BW459	SMA	—
		ZKL-2R7	10-2000	20.0	+11.0	5.0	+30.0	1.3:1	1.4:1	+12.0	120	BY493	SMA	—
		ZKL-2R5	10-2000	26.0	+15.0	5.0	+31.0	1.4:1	1.4:1	+12.0	120	BY493	SMA	—
		ZKL-2	10-2000	30.0	+15.0	4.0	+31.0	1.4:1	1.4:1	+12.0	120	BY493	SMA	—
		ZKL-1R5	10-1500	36.0	+15.0	3.0	+31.0	1.4:1	1.6:1	+12.0	115	BY493	SMA	—
		ZRON-8G	2000-8000	20.0	+20.0	6.0	+30.0	2.0:1	2.0:1	+15.0	310	AV243	SMA	—
MEDIUM HIGH POWER	CON	ZHL-32A	.05-130	25.0	+29.0	10.0	+38.0	2.0:1	2.0:1	+24.0	600	S32	BNC	SMA,N
		ZHL-3A	.4-150	24.0	+29.5	11.0	+38.0	2.0:1	2.0:1	+24.0	600	S32	BNC	SMA,N
		ZHL-1A	2-500	16.0	+28.0	11.0	+38.0	2.0:1	2.0:1	+24.0	600	S32	BNC	SMA,N
		ZHL-450-75	5-450	9.3	+26.0	3.5	+48.0	2.5:1	1.6:1	+12.0	525	S32	BNC	—
		ZHL-1010-75	50-1000	9.5	+26.0	3.5	+47.0	1.5:1	1.5:1	+12.0	525	S32	BNC	—
		ZHL-2	10-1000	16.0	+29.0	9.0	+38.0	2.0:1	2.0:1	+24.0	600	T34	BNC	SMA,N
		ZHL-2-8	10-1000	27.0	+29.0	10.0	+38.0	2.0:1	2.0:1	+24.0	600	T34	BNC	SMA,N
		ZHL-2-12	10-1200	24.0	+29.0	4.0	+38.0	2.0:1	2.0:1	+24.0	750	T34	SMA	—
		ZHL-1010	50-1000	9.5	+26.0	3.5	+46.0	1.5:1	1.5:1	+12.0	525	S32	SMA	—
		ZHL-2010	50-1000	20.0	+26.0	3.7	+46.0	1.5:1	1.5:1	+12.0	900	S32	SMA	—
		ZHL-3010	50-1000	30.0	+26.0	5.5	+46.0	2.0:1	1.6:1	+12.0	1000	S32	SMA	—
		ZHL-42W	10-4200	30.0	+28.0	8.0	+38.0	2.5:1	2.5:1	+15.0	880	U36	SMA	—
		ZHL-4240W	10-4200	40.0	+28.0	8.0	+38.0	2.5:1	2.5:1	+15.0	900	U36	SMA	—
		ZHL-42	700-4200	30.0	+28.0	10.0	+38.0	2.5:1	2.5:1	+15.0	880	U36	SMA	—
		ZHL-211	800-950	20.0	+29.0	8.0	+38.0	1.8:1	1.8:1	+24.0	600	T34	BNC	SMA
		ZHL-4240	700-4200	40.0	+28.0	8.0	+38.0	2.5:1	2.5:1	+15.0	900	U36	SMA	—
		ZRL-400	150-400	27.0	+23.5	2.5	+42.0	1.7:1	1.7:1	+12.0	550	FJ893	SMA	—
		ZRL-700	250-700	27.0	+23.5	2.0	+46.0	1.32:1	1.32:1	+12.0	550	FJ893	SMA	—
		ZRL-1150LN	500-1400	31.0	+22.0	1.0	+40.0	1.9:1	1.5:1	+12.0	550	FJ893	SMA	—
		ZRL-1200	850-1200	25.0	+23.5	2.0	+46.0	1.4:1	1.4:1	+12.0	550	FJ893	SMA	—
		ZRL-2300	1400-2300	21.0	+23.0	2.5	+46.0	1.6:1	1.35	+12.0	550	FJ893	SMA	—
		ZRL-2400LN	1000-2400	27.6	+21.0	1.0	+45.0	1.7:1	1.7:1	+12.0	550	FJ893	SMA	—
		ZVE-8G	2000-8000	30.0	+30.0	4.0	+40.0	2.0:1	2.0:1	+12.0	2000	BN333	SMA	—
HIGH POWER	CON	ZHL-03-5WF	60-300	30.0	+36.0	4.0	+47.0	1.4:1	1.5:1	+24.0	2800	CP641	SMA	—
		ZHL-5W-1	1-500	40.0	+37.0	8.0	+49.0	2.0:1	2.5:1	+24.0	3300	DDD131	SMA	—
		ZHL-1-2W	5-500	29.0	+33.0	12.0	+44.0	2.0:1	2.0:1	+24.0	900	T35	BNC	SMA,N
		ZHL-900-10W	480-900	19.0	+38.0	10.0	+50.0	2.0:1	2.0:1	+24.0	5500	DDD131	SMA	—
		ZHL-1000-3W	500-1000	38.0	+35.0	9.0	+45.0	2.0:1	2.5:1	+24.0	2250	DDD131	SMA	—
VERY HIGH POWER	CON	ZHL-7-2W	600-800	28.0	+33.0	12.0	+43.0	2.0:1	2.0:1	+24.0	900	T35	BNC	SMA,N
		LZY-1	20-512	39.0	+44.0	8.6	+54.0	2.0:1	9.0:1	+26.0	7300	BT412	SMA	—
		LZY-2	500-1000	40.0	+43.0	8.0	+54.0	2.0:1	3.5:1	+28.0	8000	BT451	SMA	—

⁽¹⁾ Minimum output power at 1 dB gain compression.

Using the Selection Guide:

Locate the Mini-Circuits' amplifier best suited for your particular application quickly with this convenient Selection Guide. Amplifiers are grouped into ten major categories and then listed in the sequence of frequency span. If your amplifier requirements are not met by the catalog models listed, we encourage you to contact our Application Engineering Department. You will find them courteous and eager to support your needs with their depth of knowledge coupled with our extensive database on engineering and catalog models.



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