

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		CASE STYLE	STD. CONN.	OPTION
						IN	OUT	V VOLT	I [mA]			
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	
MONOLITHIC • 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

VAR. GAIN	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		CASE STYLE	STD. CONN.	OPTION
						IN	OUT	V VOLT	I [mA]					
CON	ZFL-1000G	10-1000	17.0	+3.0	12.0	+13.0	2.0:1	2.0:1	+15.0	100	Y39	SMA	—	
	ZFL-1000GH	10-1200	24.0	+13.0	15.0	+25.0	2.2:1	2.0:1	+15.0	170	Y39	SMA	—	
PIN	AMP-76	5-500	26.0	+13.5	3.1	+28.0	2.0:1	2.0:1	+15.0	71	PP120			
	AMP-77	5-500	15.0	+16.0	3.3	+32.0	2.0:1	2.0:1	+15.0	56	PP120			
	AMP-75	5-500	19.0	+12.0	2.4	+28.0	2.0:1	2.0:1	+15.0	31	PP120			
	AMP-15	5-1000	13.0	+8.0	2.8	+22.0	2.0:1	2.0:1	+15.0	29	PP120			
	MAN-1HLN	10-500	10.0	+15.0	3.7	+30.0	1.8:1	1.8:1	+12.0	70	A06			
	MAN-1LN	0.5-500	28.0	+8.0	2.8	+18.0	1.8:1	1.8:1	+12.0	60	A05			
	TO-0812LN	800-1200	20.0	+8.0	1.2	+22.5	2.5:1	2.5:1	+15.0	70	QQ96			
	TO-1217LN	1200-1700	20.0	+10.0	1.6	+25.0	2.5:1	2.5:1	+15.0	70	QQ96			
	TO-1724LN	1700-2400	20.0	+10.0	1.6	+22.0	2.5:1	2.5:1	+15.0	70	QQ96			
	CON	ZFL-500LN	0.1-500	24.0	+5.0	2.9	+14.0	1.5:1	1.6:1	+15.0	60	Y39	SMA	BNC
ZFL-1000LN		0.1-1000	20.0	+3.0	2.9	+14.0	1.5:1	2.0:1	+15.0	60	Y39	SMA	—	
ZFL-500HLN		10-500	19.0	+16.0	3.8	+30.0	1.5:1	1.5:1	+15.0	110	Y39	SMA	—	
ZEL-0812LN		800-1200	20.0	+8.0	1.5	+18.0	2.5:1	2.5:1	+15.0	70	EEE132	SMA	—	
ZHL-0812HLN		800-1200	30.0	+26.0	1.5	+36.0	2.4:1	2.4:1	+15.0	725	NN92	SMA	—	
ZHL-0812MLN		800-1200	28.0	+20.0	1.3	+33.0	1.5:1	1.6:1	+15.0	300	S32	SMA	—	
ZEL-1217LN		1200-1700	20.0	+10.0	1.5	+25.0	2.5:1	2.5:1	+15.0	70	EEE132	SMA	—	
ZHL-1217HLN		1200-1700	30.0	+26.0	1.5	+36.0	2.4:1	2.4:1	+15.0	725	NN92	SMA	—	
ZHL-1217MLN		1200-1700	30.0	+20.0	1.2	+34.0	1.5:1	1.6:1	+15.0	300	S32	SMA	—	
ZEL-1724LN		1700-2400	20.0	+10.0	1.5	+22.0	2.5:1	2.5:1	+15.0	70	EEE132	SMA	—	
ZHL-1724HLN		1700-2400	30.0	+26.0	1.5	+36.0	2.4:1	2.4:1	+15.0	725	NN92	SMA	—	
ZHL-1724MLN		1700-2400	28.0	+20.0	1.2	+32.0	1.5:1	1.6:1	+15.0	300	S32	SMA	—	
ZQL-900LNW		800-900	13.0	+21.0	1.0	+35.0	1.2:1	1.1:1	+15.0	160	CW686	SMA	—	
ZQL-900MLNW		800-900	22.0	+23.0	1.2	+41.0	1.3:1	1.4:1	+15.0	230	CW686	SMA	—	
ZQL-900LN		824-849	15.0	+21.0	1.0	+35.0	1.2:1	1.1:1	+15.0	160	CW686	SMA	—	
ZQL-900MLN		824-849	25.5	+24.5	1.0	+41.0	1.3:1	1.4:1	+15.0	230	CW686	SMA	—	
ZQL-1900LNW		1700-2000	14.0	+18.5	0.9	+37.0	1.15:1	1.25:1	+15.0	160	CW686	SMA	—	
ZQL-1900MLNW		1800-2000	23.0	+25.0	1.1	+41.0	1.4:1	1.25:1	+15.0	310	CW686	SMA	—	
ZQL-1900LN		1850-1910	15.0	+19.0	0.9	+37.0	1.15:1	1.25:1	+15.0	160	CW686	SMA	—	
ZQL-1900MLN		1850-1910	25.0	+26.0	1.1	+41.0	1.25:1	1.20:1	+15.0	310	CW686	SMA	—	
ZQL-2700MLNW	2200-2700	25.0	+25.0	1.0	+38.0	1.25:1	1.15:1	+15.0	325	CW686	SMA	—		
PIN	MAN-2AD	2-1000	9.0	-3.5	6.5	+14.0	2.0:1	2.0:1	+15.0	22	A05			
	MAN-11AD	2-2000	8.0	-3.5	6.5	+14.0	3.0:1	2.0:1	+15.0	22	A05			
	MAN-1AD	5-500	16.0	+7.0	7.2	+20.0	1.6:1	1.7:1	+12.0	85	A05			
CON	ZFL-2AD	2-1000	9.0	-3.5	6.5	+14.0	2.0:1	2.0:1	+15.0	22	Y39	SMA	—	
	ZFL-11AD	2-2000	8.0	-3.5	6.5	+14.0	2.5:1	2.0:1	+15.0	22	Y39	SMA	—	
	ZFL-1HAD	10-500	10.0	+20.0	7.5	+30.0	1.3:1	1.35:1	+15.0	115	SS98	SMA	—	
	ZFL-2HAD	50-1000	11.0	+20.0	5.0	+33.0	2.0:1	2.0:1	+15.0	110	SS98	SMA	—	
	ZHL-1HLD	225-400	23.0	+27.0	2.5	+40.0	2.0:1	2.0:1	+24.0	525	T34	SMA	—	
	ZX60-2510M	500-2500	10.4	+17.1	5.4	+28.8	1.5:1	1.6:1	+5.0	20	GC957	SMA	—	
	ZX60-2514M	500-2500	14.0	+18.3	4.8	+30.3	1.5:1	1.7:1	+5.0	20	GC957	SMA	—	
ZX60-2522M	500-2500	21.5	+19.2	3.0	+30.6	1.5:1	1.7:1	+5.0	17	GC957	SMA	—		
ZX60-5916M	1500-5900	15.5	+14.5	6.4	+28.3	2.2:1	1.2:1	+5.0	20	GC957	SMA	—		
PIN	MAN-1	0.5-500	28.0	+8.0	4.5	+18.0	1.8:1	1.8:1	+12.0	60	A05			
	MAN-2	0.5-1000	18.0	+9.0	6.0	+19.0	1.8:1	1.8:1	+12.0	85	A05			
	AMP-3G	30-3000	8.0	+9.5	3.5	+20.0	2.6:1	2.5:1	+15.0	55	PP230			
CON	ZFL-500	0.05-500	20.0	+9.0	5.3	+18.0	1.9:1	1.9:1	+15.0	60	Y460	SMA	BNC	
	ZFL-1000	0.1-1000	17.0	+9.0	6.0	+18.0	1.5:1	2.0:1	+15.0	105	Y460	SMA	—	
	ZFL-750	0.2-750	18.0	+9.0	6.0	+18.0	1.5:1	2.0:1	+15.0	90	Y460	SMA	—	
	ZJL-7G	20-7000	7.5	+9.0	5.0	+24.0	1.5:1	1.5:1	+12.0	50	BW459	SMA	—	
	ZJL-6G	20-6000	10.0	+10.0	4.5	+24.0	1.5:1	1.4:1	+12.0	50	BW459	SMA	—	
	ZJL-3G	20-3000	14.0	+8.0	3.8	+22.0	1.4:1	1.6:1	+12.0	45	BW459	SMA	—	

⁽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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		f _L	f _U				IN	OUT	V VOLT	I [mA]					
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	10-2500		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	—
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		
VERY HIGH POWER	CON	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.