

## Selection Guide

	Model No.	Freq. (MHz) f <sub>i</sub> f <sub>e</sub>	Gain (dB) Min.	Max <sup>(1)</sup> Power (dBm)	N.F. (dB) Typ.	3rd Order I.P. (dBm)	VSWR <sup>(2)</sup>		DC Power		Case Style	Std. Conn.	Option	
							in	out	V Volt	I (mA)				
VAR. GAIN	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	—
LOW NOISE (N.F. < 4.0 dB)	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		
	CON	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		
		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	8.0	+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	—		
ZQLSC-1100	600-1100	19.0	+16.0	0.6	+34.0	1.8:1	1.8:1	+24.0	185	GZ1067	SMA	—		
ZQLSC-2400	1400-2400	12.0	+17.0	0.9	+35.0	1.6:1	1.7:1	+24.0	185	GZ1067	SMA	—		
ZX60-3011	400-3000	10.0	+19.0	1.6	+31.0	1.7:1	1.6:1	+12.0	120	GC957	SMA	—		
HIGH ISOLATION	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	95	GC957	SMA	—
		ZX60-2514M	500-2500	14.0	+18.3	4.8	+30.3	1.5:1	1.7:1	+5.0	90	GC957	SMA	—
		ZX60-2522M	500-2500	21.5	+19.2	3.0	+30.6	1.5:1	1.7:1	+5.0	95	GC957	SMA	—
		ZX60-5916M	1500-5900	15.5	+14.5	6.4	+28.3	2.2:1	1.2:1	+5.0	96	GC957	SMA	—
LOW POWER	PIN	AMP-25G	10-2500	16.0	+12.0	3.5	+24.0	1.6:1	1.2:1	+15.0	55	PP120		
		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		
	CON	AMP-3G	30-3000	8.0	+9.5	3.5	+20.0	2.6:1	2.5:1	+15.0	55	PP230		
		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	—		



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