

Coaxial

# Low Noise Amplifier

## ZHL-1217MLN

50Ω

1200 to 1700 MHz

### Features

- very low noise, 1.5 dB max
- wideband, 1200 to 1700 MHz
- high dynamic range

### Applications

- GPS
- marsat
- communication systems



CASE STYLE: S32

Connectors	Model	Price	Qty.
SMA	ZHL-1217MLN	\$295.00	(1-9)

### Low Noise Amplifier Electrical Specifications

MODEL NO.	FREQUENCY (MHz)		NOISE FIGURE (dB)	GAIN (dB)		MAXIMUM POWER (dBm)		INTERCEPT POINT (dBm)	VSWR (:-1) Max.		DC POWER	
	$f_L$	$f_U$		Min.	Flatness Max.	Output (1 dB Compr.) Typ.	Input (no damage)		IP3 Typ.	In	Out	Volt (V) Nom.
ZHL-1217MLN	1200	1700	1.5	30	±1.0	+20	0	+34	2.5	2.5	15	300

Noise Figure specified at room temperature, increases to 2.3 dB max. at +65°C

Open load is not recommended, potentially can cause damage.

With no load derate max input power by 20 dB

### Maximum Ratings

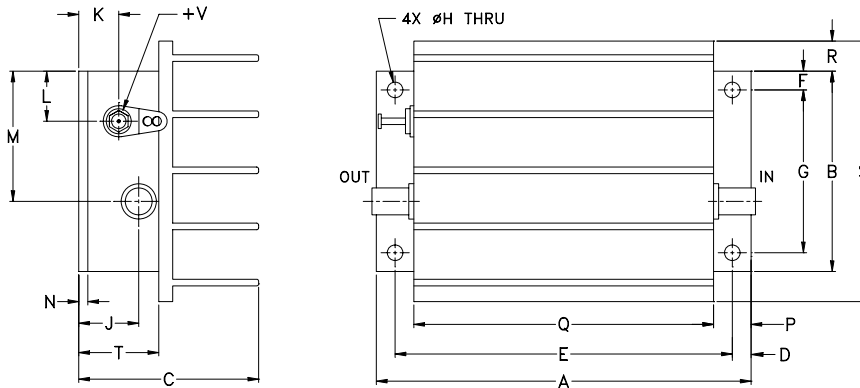
Operating Temperature -20°C to 65°C

Storage Temperature -55°C to 100°C

DC Voltage +17V Max.

Permanent damage may occur if any of these limits are exceeded.

### Outline Drawing



### Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt
3.75	2.00	1.80	.19	3.375	.19	1.625	.144	.50	.40	.50	1.30	.10	.38	3.00	.30	2.60	.80	grams
95.25	50.80	45.72	4.83	85.73	4.83	41.28	3.66	12.70	10.16	12.70	33.02	2.54	9.65	76.20	7.62	66.04	20.32	220.0



For detailed performance specs & shopping online see web site

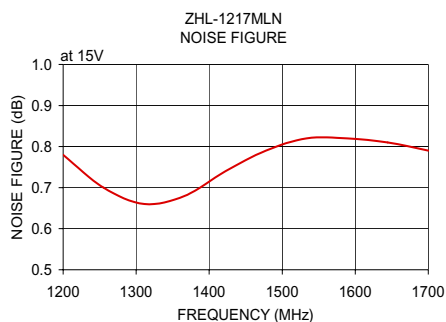
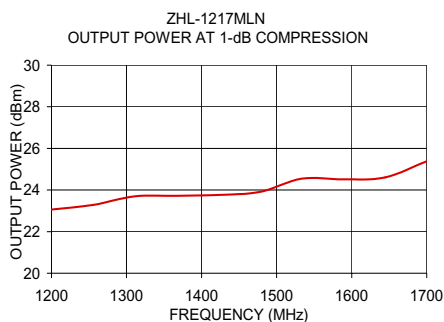
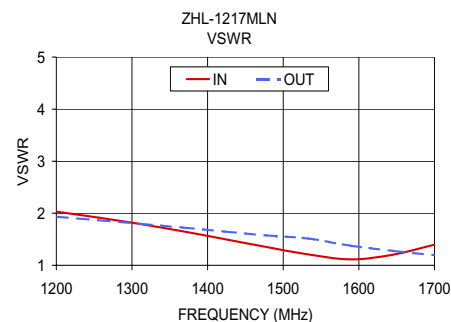
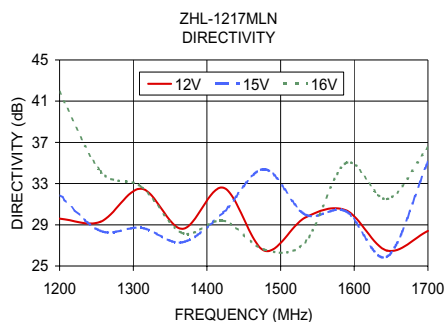
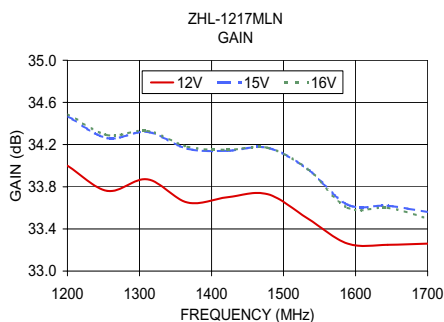
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FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	12V	15V	16V	12V	15V	16V	IN	OUT		
1200.00	34.00	34.47	34.49	29.60	31.90	41.90	2.03	1.93	0.78	23.06
1255.50	33.76	34.26	34.29	29.30	28.40	34.20	1.92	1.87	0.70	23.28
1311.10	33.87	34.32	34.33	32.50	28.70	32.70	1.79	1.80	0.66	23.70
1366.70	33.65	34.16	34.18	28.60	27.30	28.20	1.66	1.73	0.68	23.72
1422.20	33.70	34.14	34.15	32.60	30.20	29.40	1.50	1.65	0.74	23.76
1477.80	33.73	34.17	34.17	26.50	34.40	26.60	1.35	1.57	0.79	23.91
1533.30	33.50	33.97	33.97	29.70	30.00	27.30	1.21	1.52	0.82	24.55
1588.90	33.26	33.63	33.60	30.40	30.30	35.00	1.11	1.37	0.82	24.51
1644.40	33.25	33.62	33.60	26.50	25.90	31.50	1.20	1.28	0.81	24.60
1700.00	33.26	33.56	33.50	28.40	35.10	36.50	1.39	1.20	0.79	25.38



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