

Coaxial

Low Noise Amplifier

ZEL-1217LN

50Ω

1200 to 1700 MHz

Features

- very low noise, 1.5 dB typ.
- wideband, 1200 to 1700 MHz
- rugged, shielded case

Applications

- GPS
- mar sat
- communication systems



CASE STYLE: EEE132

Connectors	Model	Price	Qty.
SMA	ZEL-1217LN	\$274.95	(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)		In	Out	Volt (V) Nom.	Current (mA) Max.
ZEL-1217LN	1200	1700	1.5	20	±1.0	+8	+13	+25	2.5	2.5	15	70

Noise Figure specified at room temperature, increases to 2 dB typical at +85°C

Open load is not recommended, potentially can cause damage.

With no load derate max input power by 20 dB

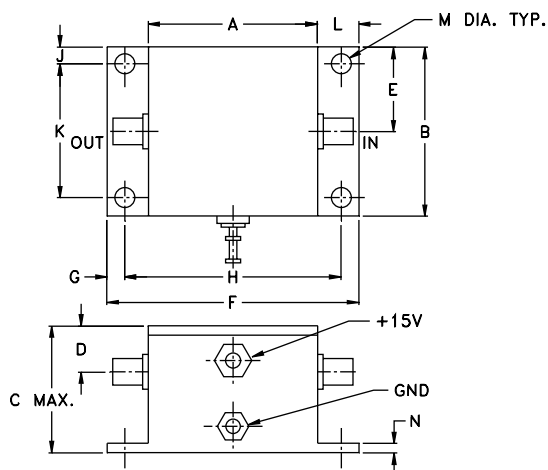
Maximum Ratings

Operating Temperature -54°C to 85°C

Storage Temperature -55°C to 100°C

DC Voltage +17V Max.

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
.90	.90	.675	.245	.45	1.34	.09
22.86	22.86	17.15	6.22	11.43	34.04	2.29
H	J	K	L	M	N	wt
1.152	.09	.712	.22	.106	.05	grams
29.26	2.29	18.08	5.59	2.69	1.27	50.0

INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

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

Mini-Circuits ISO 9001 & ISO 14001 Certified

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Typical Performance Data/Curves

ZEL-1217LN

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	29.28	30.36	30.62	9.70	9.00	9.20	1.97	1.40	1.30	11.67
1236.60	29.06	30.12	30.37	10.50	9.80	9.70	1.97	1.35	1.20	11.72
1287.00	28.74	29.77	30.00	10.40	10.40	10.10	2.01	1.33	1.11	11.81
1339.60	28.41	29.42	29.65	11.40	11.10	11.20	2.08	1.32	1.08	11.74
1392.30	28.23	29.21	29.45	11.50	11.20	11.30	2.12	1.32	1.09	11.83
1443.60	28.23	29.21	29.42	11.80	11.60	11.70	2.12	1.35	1.14	12.05
1507.70	28.31	29.24	29.44	11.50	11.90	11.70	2.08	1.37	1.22	12.07
1571.80	28.53	29.41	29.61	11.30	11.30	11.50	2.00	1.41	1.32	12.47
1635.90	29.13	29.91	30.07	10.10	10.10	10.10	1.86	1.44	1.43	12.79
1700.00	30.01	30.62	30.77	8.10	8.80	8.70	1.63	1.57	1.49	13.13

