

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Coaxial

Low Noise Amplifier

ZEL-1217LN+

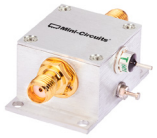
50Ω 1200 to 1700 MHz

Features

- very low noise figure, 1.6 dB max.
- wideband, 1200 to 1700 MHz
- rugged, shielded case

Applications

- GPS
- mar sat
- communication systems



Generic photo used for illustration purposes only

Case Style: EEE132

Connectors	Model
SMA	ZEL-1217LN+

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

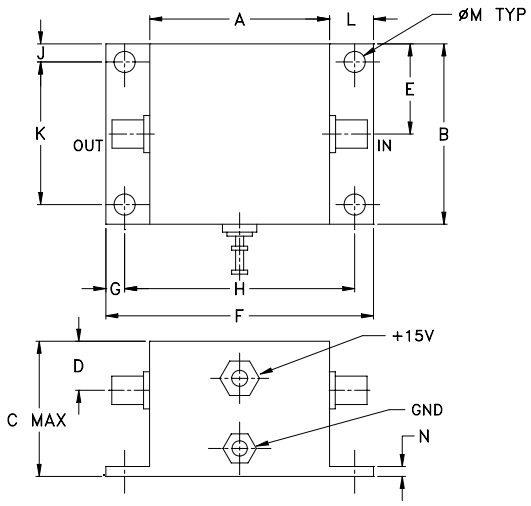
Electrical Specifications

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Frequency Range		1200		1700	MHz
Noise Figure	1200-1700	—	—	1.6	dB
Gain	1200-1700	20	—	—	dB
Gain Flatness	1200-1700	—	—	±1.0	dB
Output Power at 1dB compression	1200-1700	—	+8	—	dBm
Output third order intercept point	1200-1700	—	+25	—	dBm
Input VSWR	1200-1700	—	—	2.5	:1
Output VSWR	1200-1700	—	—	2.5	:1
DC Supply Voltage		—	15	—	V
Supply Current		—	—	70	mA

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

Outline Drawing



Maximum Ratings

Parameter	Ratings
Operating Temperature	-54°C to 85°C
Storage Temperature	-55°C to 100°C
DC Voltage	17V
Input RF Power (no damage)	+13 dBm

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

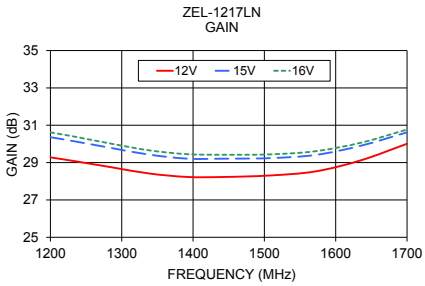
Outline Dimensions (inch / mm)

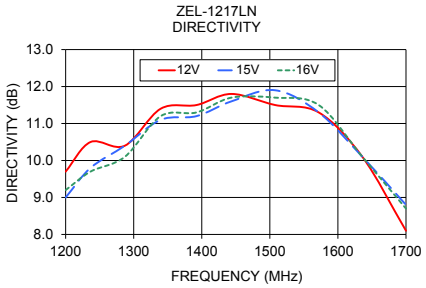
A	B	C	D	E	F	G	H	J	K	L	M	N	wt
.90	.90	.675	.245	.45	1.34	.09	1.152	.09	.712	.22	.106	.05	grams
22.86	22.86	17.15	6.22	11.43	34.04	2.29	29.26	2.29	18.08	5.59	2.69	1.27	50.0

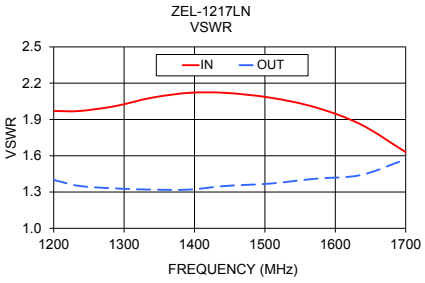
Notes

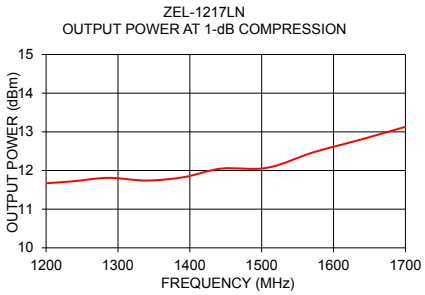
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

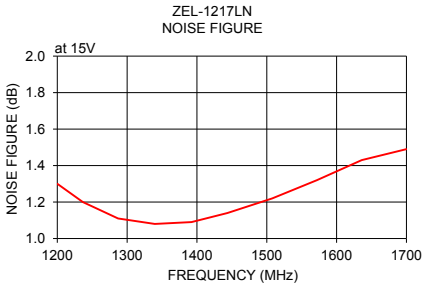
FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	12V	15V	16V	12V	15V	16V	IN	OUT	15V	15V
1200.00	29.28	30.36	30.62	9.70	9.00	9.20	1.97	1.40	1.30	11.67
1236.60	29.06	30.12	30.37	10.50	9.80	9.70	1.97	1.35	1.20	11.72
1287.00	28.74	29.77	30.00	10.40	10.40	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











Notes

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