Coaxial **Amplifier**

ZKL-2R5+

Medium Power 10 to 2500 MHz 50Ω

Features

- wideband, 10 to 2500 MHz
- high IP3, +31 dBm typ.
- low noise, 5 dB typ.
- rugged, shielded case
- protected by US Patent, 6,943,629

Applications

- communication systems
- cellular
- PCS
- GSM/ISM

Generic photo used for illustration purposes only CASE STYLE: BY493

> Connectors Model SMA ZKL-2R5+

+RoHS Compliant

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

Amplifier Electrical Specifications

MODEL NO.		UENCY IHz)		GAIN (dB)			MAXII POW (dB	/ER		AMIC NGE	(:	WR :1) yp.		OC WER
	f.	f _{II}	Тур.	Min.	Flatness Max.		tput Compr.)	Input (no damage)	NF (dB) Typ.	IP3 (dBm) Typ.	In	Out	Volt (V) Nom.	Current (mA) Max.
ZKL-2R5+	10	2500	30	26	±1.5	+13	+11	+13	5.0	+31	1.4	1.4	12	120

Open load is not recommended, potentially can cause damage.

With no load derate max input power by 20 dB

L= low range (f, to f,/2)

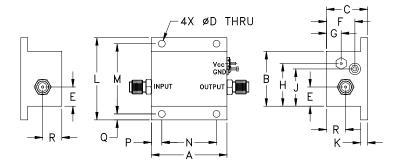
U= upper range (f,/2 to f,)

Maximum Ratings

Operating Temperature	-40°C to 75°C
Storage Temperature	-55°C to 100°C
DC Voltage	+13V Max.

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

Outline Drawing



Outline Dimensions (inch mm)

wt	R	Q	Р	N	M	L	K	J	Н	G	F	E	D	С	В	Α
grams	.35	.11	.19	1.000	1.281	1.50	.125	.66	.76	.27	.52	.35	.125	.75	1.00	1.38
40	8 89	2 79	4.83	25.40	32 54	38.10	3.18	16.76	19.30	6.86	13.21	8 89	3.18	19.05	25.40	35.05

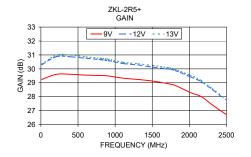
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

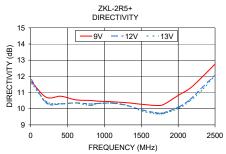
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

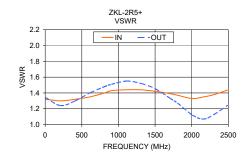
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp



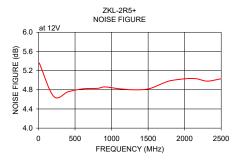
FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)				WR 1)	NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	9V	12V	13V	9V	12V	13V	IN	OUT	12V	12V
10.00	29.24	30.29	30.35	11.67	11.80	11.57	1.32	1.34	5.36	18.24
210.00	29.61	30.88	30.99	10.71	10.37	10.45	1.30	1.24	4.66	18.61
410.00	29.61	30.86	30.99	10.77	10.30	10.31	1.32	1.30	4.76	18.77
610.00	29.55	30.76	30.86	10.55	10.36	10.35	1.35	1.40	4.82	18.72
810.00	29.52	30.66	30.76	10.51	10.29	10.20	1.40	1.48	4.83	18.76
910.00	29.49	30.59	30.69	10.47	10.32	10.33	1.43	1.51	4.86	18.65
1110.00	29.33	30.38	30.47	10.43	10.34	10.36	1.44	1.55	4.82	18.69
1310.00	29.24	30.28	30.37	10.37	10.19	10.21	1.44	1.52	4.80	18.74
1510.00	29.12	30.12	30.24	10.27	9.93	9.86	1.42	1.45	4.82	18.58
1710.00	28.94	30.00	30.09	10.20	9.74	9.69	1.39	1.33	4.94	18.35
1810.00	28.81	29.88	29.95	10.28	9.76	9.71	1.37	1.27	4.99	18.37
2010.00	28.31	29.44	29.55	10.85	10.11	10.03	1.33	1.12	5.03	18.15
2160.00	28.01	29.08	29.17	11.26	10.57	10.48	1.35	1.07	5.03	18.17
2310.00	27.41	28.51	28.59	11.89	11.24	11.09	1.38	1.13	4.98	17.72
2500.00	26.71	27.76	27.82	12.76	12.08	12.05	1.44	1.25	5.03	17.45











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