

High IP3

Low Noise Amplifier

ZRL-400+

50Ω 150 to 400 MHz

Features

- high IP3, +42 dBm typ.
- low noise figure, 2.5 dB typ.
- broadband flat gain response
- internal voltage regulated
- over-voltage and transient protected

Applications

- high dynamic range VHF/UHF
- mobile radio
- VHF/UHF television or radio
- defense communications



CASE STYLE: FJ893

Connectors	Model	Price	Qty.
SMA	ZRL-400+	\$119.95 ea.	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications at T_{AMB}=25°C

MODEL NO.	FREQUENCY (MHz)		GAIN (dB)				NOISE FIGURE (dB)		MAXIMUM POWER OUTPUT (dBm)		INTERCEPT POINT (dBm) Note 1	VSWR (:1) Typ.		ACTIVE DIRECTIVITY (dB) (Isolation-Gain)	DC VOLTAGE @ Pin V+ (V) Nom. Note 2	DC OPERATING CURRENT @ Pin V+ (mA)	
	f _L	f _U	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.		In	Out			Typ.	Max.
ZRL-400+	150	400	30	27	±0.5	±1.0	2.5	3.5	25	23.5	+42	1.25	1.35	19	12	526	575
	175	300	30	28	±0.25	±0.5	2.4	3.5	25	23.5	+42	1.20	1.30	20	12	526	575

1. 1MHz tone spacing

2. Unit is internally voltage regulated for 6.5 to 17VDC input voltage range.

Maximum Ratings

Operating Temperature -40°C to 80°C case

-40°C to 60°C ambient

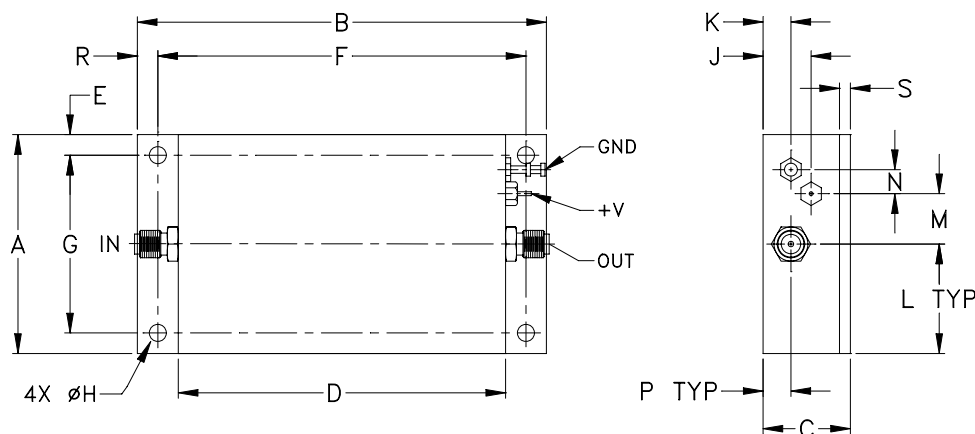
Storage Temperature -55°C to 100°C

DC Voltage +17V Max.

Input Power (Max.) +10 dBm

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	wt
2.00	3.75	0.80	3.00	0.19	3.374	1.624	0.16	0.44	0.26	1.00	0.51	0.22	0.26	--	0.19	0.10	grams
50.80	95.25	20.32	76.20	4.83	85.70	41.25	3.96	11.18	6.60	25.40	12.95	5.59	6.60	--	4.83	2.54	135

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IF/RF MICROWAVE COMPONENTS

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