

RF Amplifier

* Operating Frequency : 2-88 MHz

* Gain : 19 dB

* Medium Output power : 29 dBm

ELECTRICAL SPECIFICATION @ VDD= +24 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	2		88	MHz
Gain	G	18	19		dB
Gain Flatness	Δ G		±0.50	± 1.0	dB
Gain variation verses Temp	G. V.		±0.50	± 1.0	dB
Noise Figure	N.F.		4.5	5	
Output Power	P 1dB	28	29		dBm
Two Tone Intercept	OIP3/OIP2	43/80	45/90		dBm
VSWR in/out	S11/S22		1.5:1	1.8:1	Ratio
Operating Voltage	Vdc		24		Volt
Operating Current	Id		220	240	ma

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	SMA Housing		
Cooling	None		
Monitor Connector	None		

PROTECTIONS

RF Input Power	30	Max	dBm
Reverse Polarity Protection			
Load VSWR	Infinite up to 1W		
Stability	100% Tested		

ENVIRONMENTAL CHARACTERISTICS

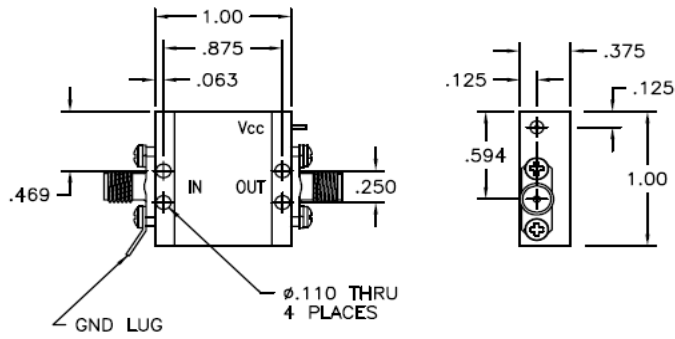
Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	-15		55	°C
Storage Temperature	Tstg	- 55C		120°C	°C

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Outline Drawing



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