

RF Amplifier

* Operating Frequency : 1-300 MHz

* Gain : 16dB

* High IP3 42dBm

ELECTRICAL SPECIFICATION @ VDD= +15 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	1		300	MHz
Gain	G	15	16		dB
Gain Flatness	Δ G		±0.5	±0.75	dB
Noise Figure	N.F.		4.5	5.7	dB
Output Power	P 1dB	27	28.5		dBm
Two Tone Intercept @ 15dBm output per tone	IP3	40	42		dBm
IP2 @ P Out = + 15dBm	IP2	60	70		dBm
VSWR in/out	S11/S22		1.6:1	1.9:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		230		ma

MECHANICAL SPECIFICATION

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

PROTECTION

		Max	
RF Input Power		20	dBm
Reverse Polarity Protection	N/A		
Load VSWR	Infinite up to 1W		
Stability	100% Tested		

ENVIRONMENTAL CHARACTERISTICS

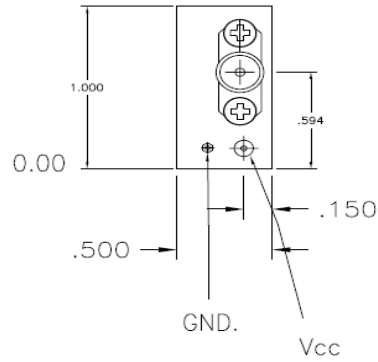
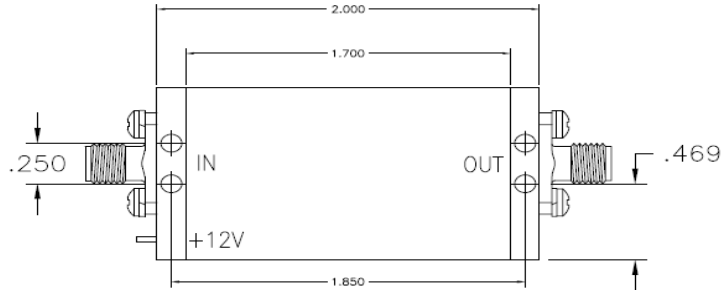
Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	0		70C	°C
Storage Temperature	Tstg	- 55C		120°C	°C

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Outline Drawing



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