

RF Amplifier

- * Operating Frequency : 20-500 MHz
- * Gain : 16 dB
- * High IP3 37dBm
- * High IP2 65dBm

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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	20		500	MHz
Gain	G	15	16		dB
Gain Flatness	Δ G		±0.30	±0.75	dB
Noise Figure	N.F.		4.5	5	dB
Output Power	P 1dB	23	24		dBm
Two Tone Intercept @ 15dBm output per tone	IP3	35	37		dBm
IP2 @ P Out = + 15dBm	IP2	60	65		dBm
VSWR in/out	S11/S22		1.5:1	1.7:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		160	170	ma

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	SMA-F 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

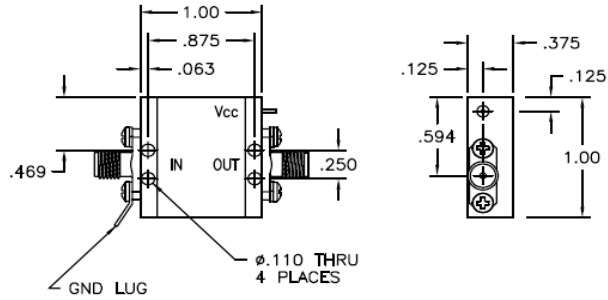
Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	0		70	°C
Storage Temperature	Tstg	- 55C		120°C	°C

3009 Old State Road Telford Pa 18969

Web: www.amplifiersolutions.com
 Email: sales@amplifiersolutions.com

Tel: 215-997-7856
 Fax: 215-997-7857

Outline Drawing



Web: www.amplifiersolutions.com
Email: sales@amplifiersolutions.com

3009 Old State Road Telford Pa 18969

Tel: 215-997-7856
Fax: 215-997-7857