

RF Amplifier

* Operating Frequency : 20-500 MHz

* Gain..... 24dB

* High IP3..... 42dBm

* NF2.1 dB Typ

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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	20		500	MHz
Gain	G	18	24		dB
Gain Flatness	Δ G		±0.25	±0.5	dB
Noise Figure	N.F.		2.5	4	dB
Output Power	P 1dB	28	30		dBm
Two Tone Intercept @ 15dBm output per tone	IP3	38	42		dBm
VSWR in/out	S11/S22		1.7:1	2.0:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		470	500	ma

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	2x1x0.5		
	SMA-F		
Cooling	None		
Monitor Connector	None		

PROTECTION

	Max	
RF Input Power	15	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	0C		50	°C
Storage Temperature	Tstg	- 55C		120 °C	°C

3009 Old State Road Telford Pa 18969

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

Tel: 215-799-2561
Fax: 215-799-2563

Outline Drawing

