

## Wide Band RF Amplifier

- \* Operating Frequency : 30-512 MHz
- \* Saturated Power : 16W Psat Typical
- \* Gain : 32 dB



**Description: Ultra wideband operation, Fiber Drivers, Test Instrumentation, All Purpose Power Amp**

### ELECTRICAL SPECIFICATION @ VDD= +28 VDC, -5VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	30		512	MHz
Gain	G	30	32		dB
Gain Flatness	$\Delta G$		$\pm 1.0$	$\pm 1.5$	dB
Power Added Efficiency	PAE		30		%
Power Output	Psat	40	42		dBm
Return Loss Input	S11/S22		2.0:1	2.5:1	Ratio
Operating Voltage	Vdc		+ 12		Volt
Operating Current Idq	Idq		1200		mA

### MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	2x1x0.50		inches
RF Connectors IN/OUT	SMA-F		
DC Connector	Filtered DC		

### PROTECTIONS

	Max	
RF Input Power	10	dBm
Reverse Polarity Protection		
Load VSWR	5:01	RATIO
Stability	Unconditional	

### ENVIROMENTAL CHARACTERISTICS

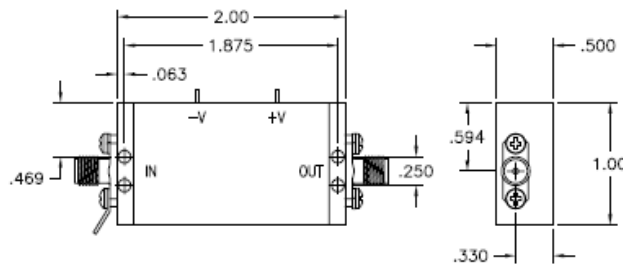
Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		75	°C
Storage Temperature	Tstg	-55		125°C	°C

2950-K Advance Lane Colmar, PA 18915

Web: [www.amplifiersolutions.com](http://www.amplifiersolutions.com)  
 Email: [sales@amplifiersolutions.com](mailto:sales@amplifiersolutions.com)

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

# Outline



2950-K Advance Lane Colmar, PA 18915

Web: [www.amplifiersolutions.com](http://www.amplifiersolutions.com)  
Email: [sales@amplifiersolutions.com](mailto:sales@amplifiersolutions.com)

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