

Wide Band RF Amplifier

- * Operating Frequency : 30-512 MHz
- * Saturated Power : 16W Psat Typical
- * Gain : 37 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	36	37		dB
Gain Flatness	ΔG		± 1.0	± 1.5	dB
Power Added Efficiency	PAE		30		%
Power Output	P1dB	40	42		dBm
Return Loss Input	S11/S22		2.0:1	2.5:1	Ratio
Operating Voltage	Vdc		+28V / - 5V		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		
Cooling	Heat Sink		

PROTECTIONS

	Max	
RF Input Power	7	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

3009 Old State Rd. Telford, PA 18969

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

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

Outline

