

RF Amplifier

- * Operating Frequency : 100-1800 MHz.
- * Gain : 42 dB.
- * Output Power 4WATT
- * No external components required



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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	100		1800	MHz.
Gain	G	40	42		dB.
Gain Flatness	ΔG		± 1.0	± 2.0	dB.
Noise Figure	N.F.		5	7	dB.
Output Power	P1dB	33	34		dBm.
VSWR In/out	VSWR		2.0:1	2.5:1	Ratio
Operating Voltage	Vdc		28		Volt
Operating Current Idq	Idq		2500		mA.

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
RF connector	SMA-F		
DC Pins	Feedthru		
Cooling	None		
Monitor Connector	None		

PROTECTION

	Max	Units
RF Input Power	0	dBm.
Reverse Polarity Protection	N/A	
Load VSWR	Infinite up to 1W	
Stability	100% Tested	

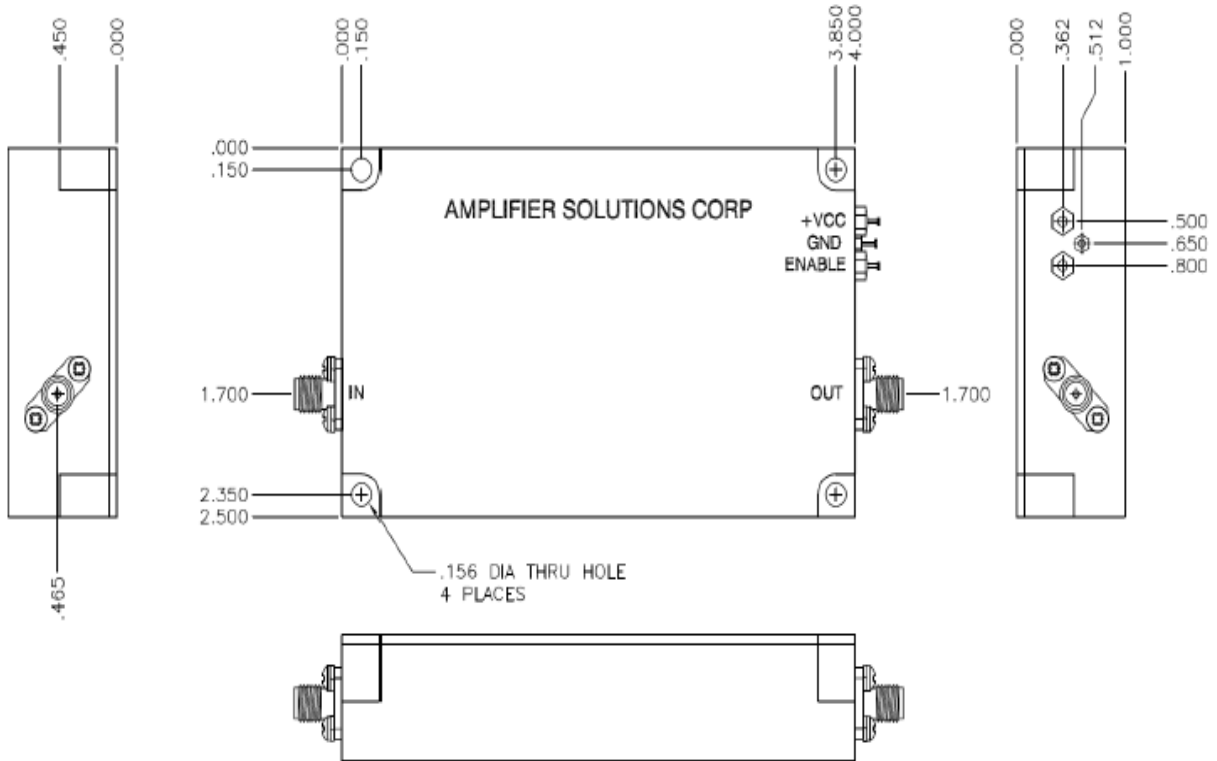
ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	0°C		50°C	°C
Storage Temperature	Tstg	- 55°C		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

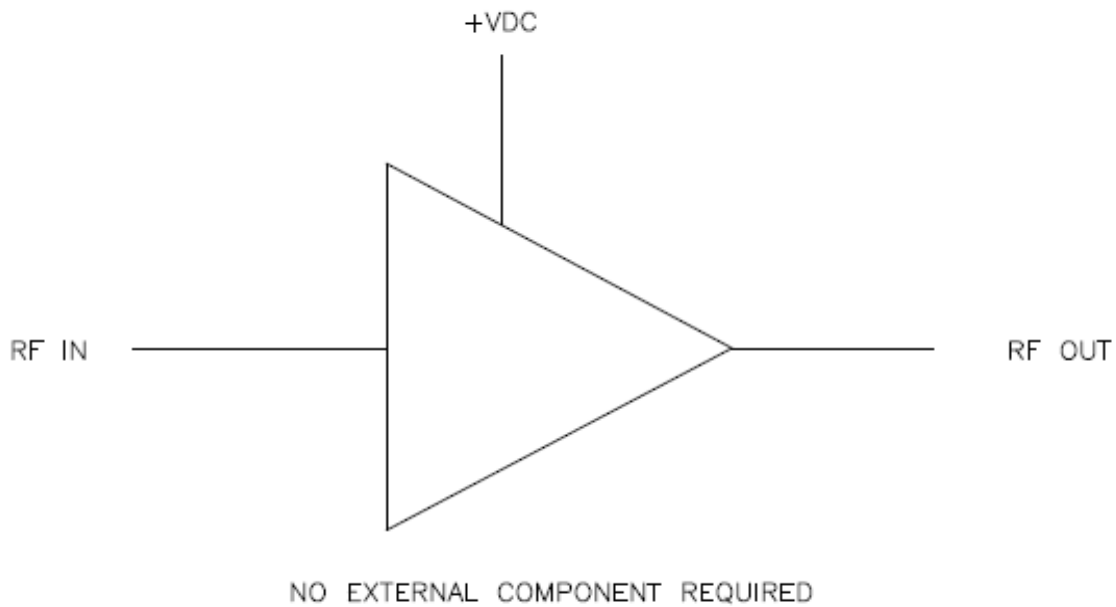


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FUNCTIONAL BLOCK DIAGRAM



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