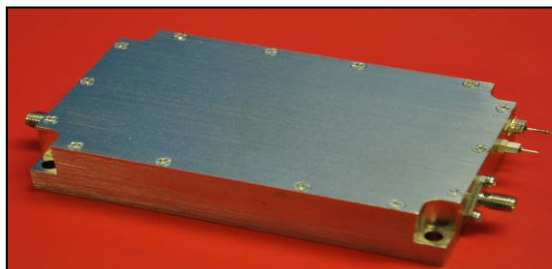


## RF Amplifier

- \* Operating Frequency : 800-4200 MHz.
- \* Gain : 32 dB.
- \* P1dB 37 dbm.
- \* No external components required



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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	800		4200	MHz.
Gain	G	28	32		dB.
Gain Flatness	Δ G		±1.5	±2.0	dB.
Noise Figure	N.F.		5	7	dB.
Output Power	P1dB	36	37		dBm.
VSWR In	VSWR1		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	10	dBm.
Reverse Polarity Protection	N/A	
Load VSWR	Infinite up to 1W	
Stability	100% Tested	

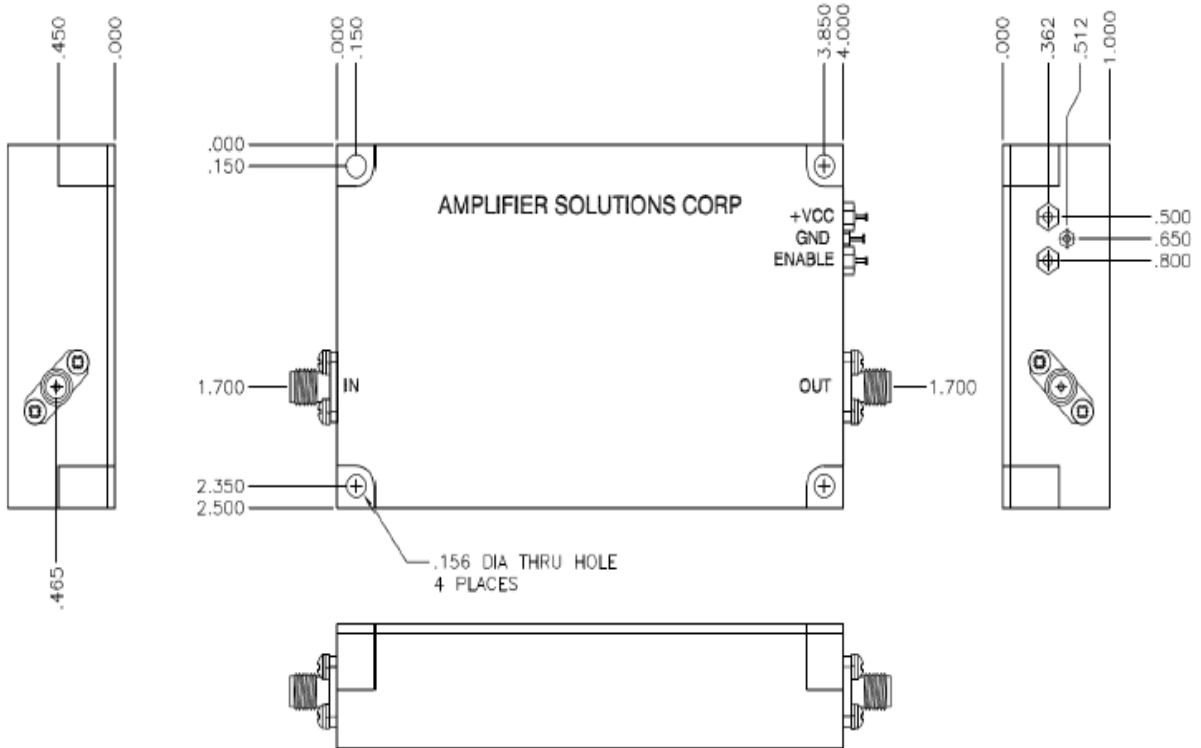
### ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	T <sub>c</sub>	0°C		50°C	°C
Storage Temperature	T <sub>stg</sub>	- 55°C		120°C	°C

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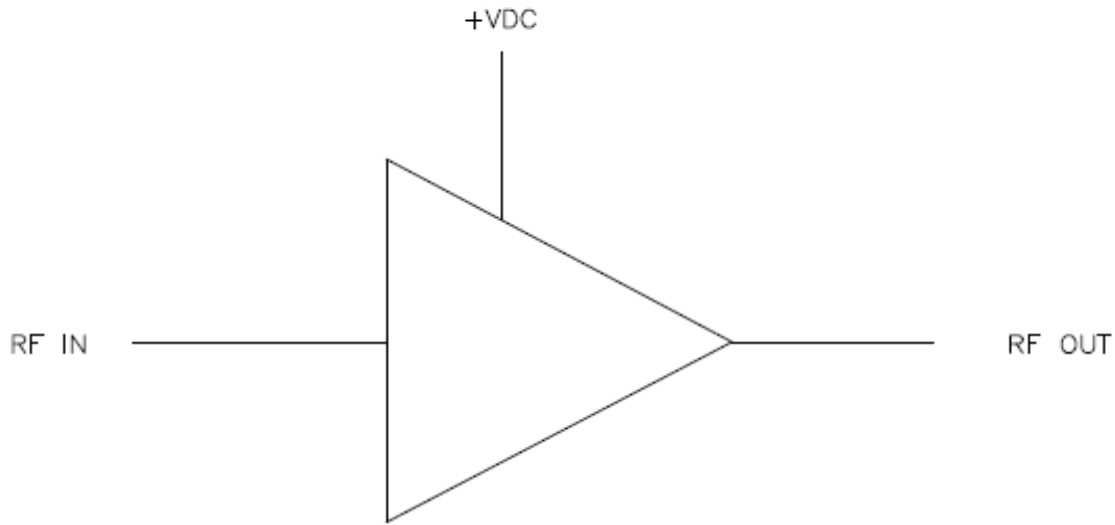


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FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED

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