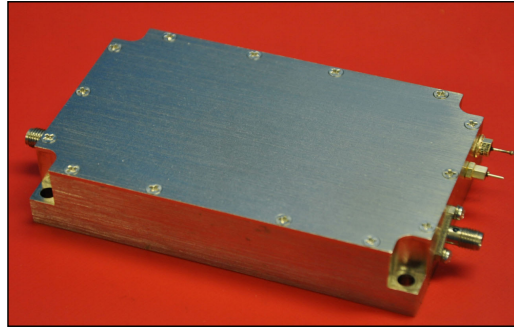


## RF Amplifier

- \* Operating Frequency : 20-2800 MHz
- \* Gain : 35 dB
- \* P1dB 33 dBm
- \* High Gain available



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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	20		2800	MHz
Gain @100MHz	G	34	37		dB
Gain @2500MHz	G	30	33		dB
Gain Flatness	Δ G		±2.0	±2.5	dB
Noise Figure	N.F.		5	7	dB
P1dB @2000MHz	P1dB	33	34		dBm
Power Sat @2500MHz	Psat	34	35		dBm
VSWR In	VSWR1		2.0:1	2.5:1	Ratio
Operating Voltage	Vdc		28		Volt
Operating Current Idq	Idq		2000		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	7	dBm
Reverse Polarity Protection	YES	
Load VSWR	Infinite up to 1W	
Stability	100% Tested	

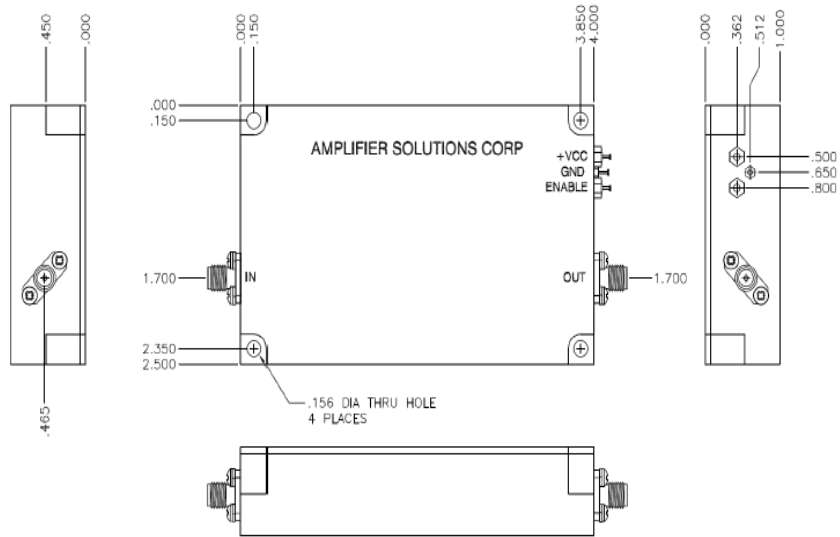
### ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	0°C		50°C	°C
Storage Temperature	Tstg	- 55°C		120°C	°C

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**Note: TTL On/OFF Procedure**

0V.....On  
 +5V.....Off

**Do Not Apply more than 5V at ENABLE Pin**

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