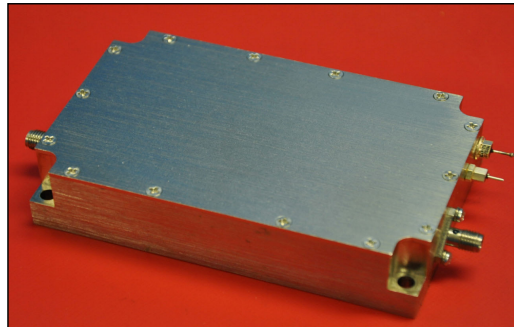


## RF Amplifier

- \* Operating Frequency : 700-4200 MHz
- \* Gain : 39 dB
- \* P1dB : 34 dBm



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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	700		4200	MHz
Gain	G	37	39	42	dB
Gain Flatness	Δ G		±1.3	±2.0	dB
Noise Figure	N.F.		8	9	dB
Output Power	P1dB	33	34		dBm
Saturated Power	Psat	35	37		W
IP3	IP3		38		dBm
VSWR In	VSWR1		2.0:1	2.5:1	Ratio
Operating Voltage	Vdc		28		Volt
Operating Current Idq	Idq		3000		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	5	dBm
Reverse Polarity Protection	N/A	
Load VSWR	Infinite up to 1W	
Stability	100% Tested	

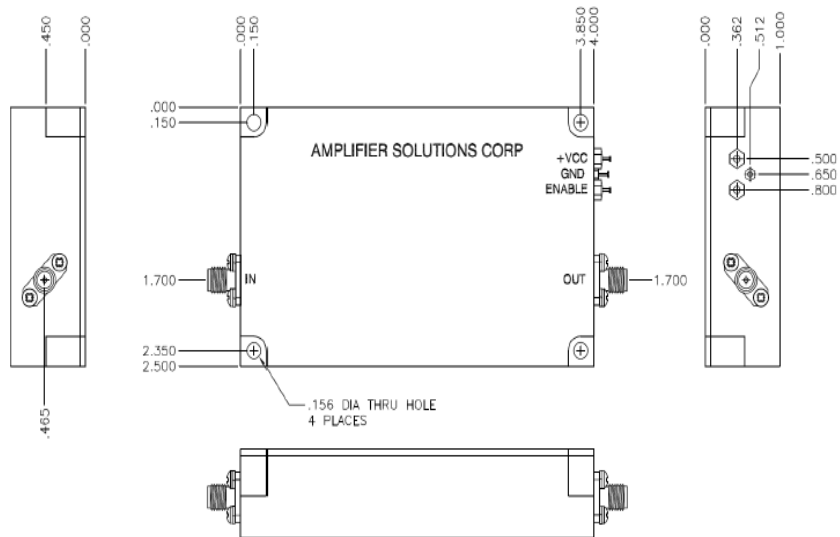
### ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	-20°C		65°C	°C
Storage Temperature	Tstg	-55°C		120°C	°C

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**Note: TTL On/OFF Procedure**

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

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