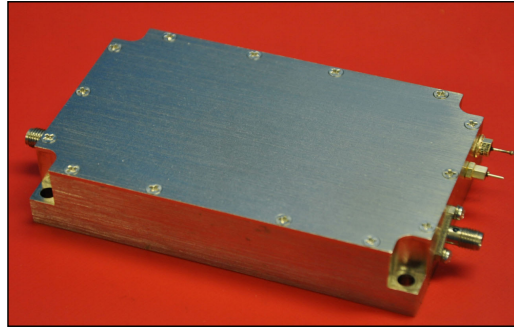


RF Amplifier

- * Operating Frequency : 170 - 240 MHz
- * Gain : 45 dB
- * Output Power : 20 W



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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	170		240	MHz
Gain	G	42	45		dB
Gain Flatness	Δ G		±1.5	±2.0	dB
Noise Figure	N.F.		5	7	dB
Output Power	Psat	42.5	43.5		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

Parameter	Max	Units
RF Input Power	3	dBm
Reverse Polarity Protection	N/A	
Load VSWR	Infinite up to 1W	
Stability	100% Tested	

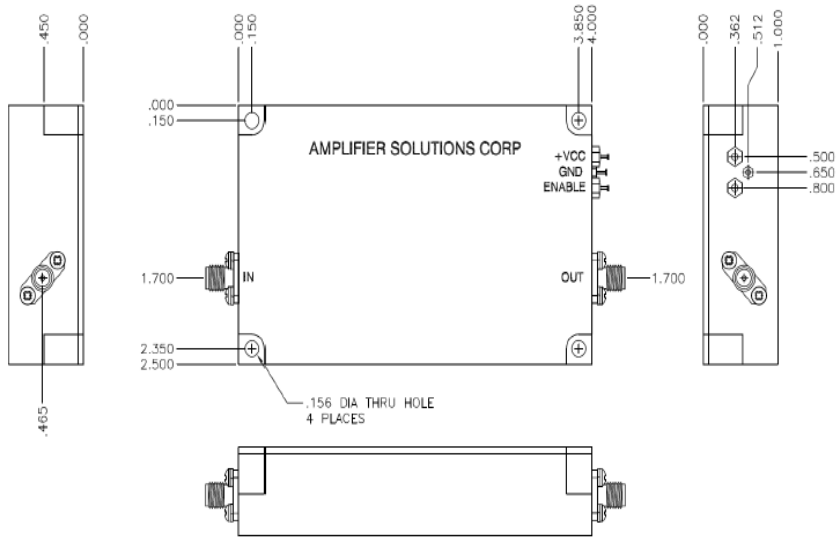
ENVIRONMENTAL CHARACTERISTICS

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

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