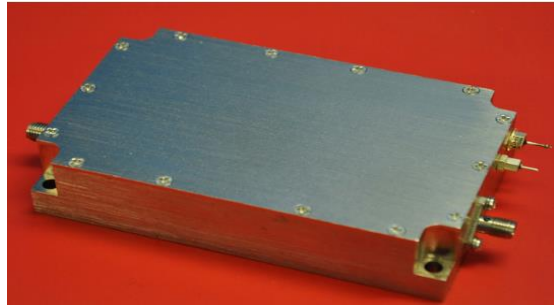


Wide Band RF Amplifier

- * Operating Frequency : 1.0-6.0 GHz.
- * Output Power : 32 dBm Typical
- * Gain : 33 dB.
- * Single, Regulated +28V Supply
- * No external components required



Description: Ultra wideband operation, Fiber Drivers, Test Instrumentation, All Purpose Power Amp

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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	1		6	GHz.
Gain	G	30	33		dB.
Gain Flatness	Δ G		±1.5	±2.0	dB.
Noise Figure	NF		3	4	dB.
Output Power	Pout	30	32		dBm
VSWR in	S11		2.0:1	2.5:1	ratio
VSWR out	S22		1.8:1	2.0:1	ratio
Operating Voltage	Vdc			28	Volts
Operating Current	Idq			1.3	A

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	4.0 x 2.5 x 1.0		inches
RF Connectors IN/OUT	SMA-F		
DC Connector	Filtered DC		
Enable Pin	YES		

PROTECTIONS

	Max	
RF Input Power	10	dBm.
Reverse Polarity Protection	NO	
Load VSWR	5:01	RATIO
Stability	Unconditional	

ENVIROMENTAL CHARACTERISTICS

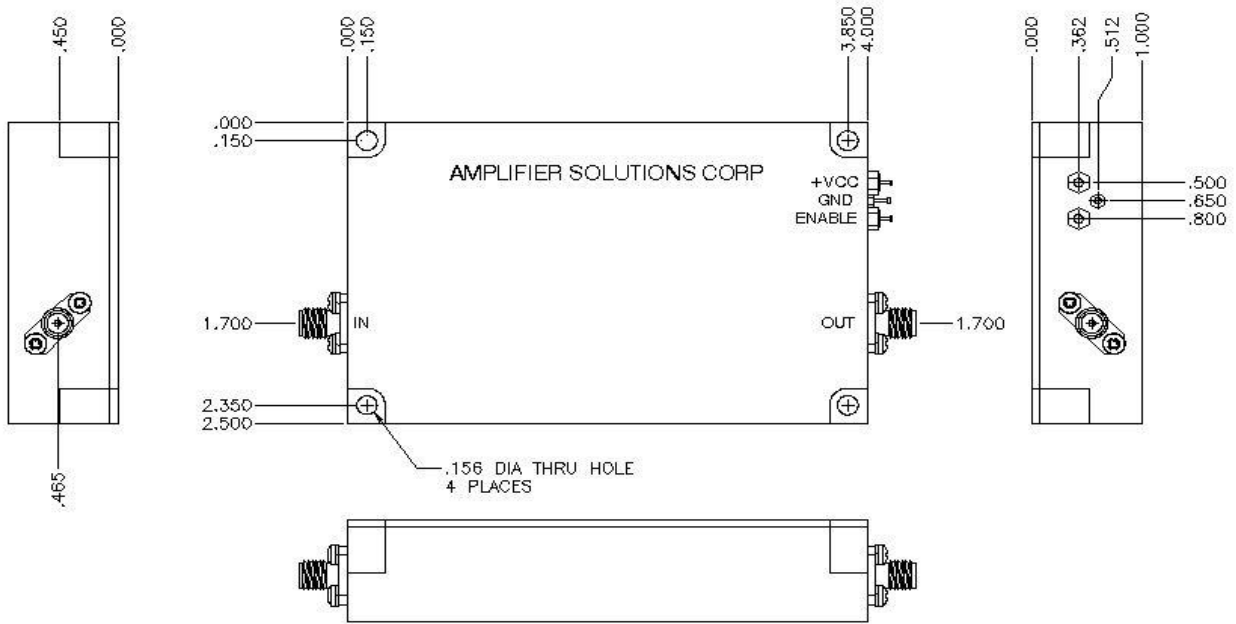
Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		55	°C
Storage Temperature	Tstg	-55		150°C	°C

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Outline

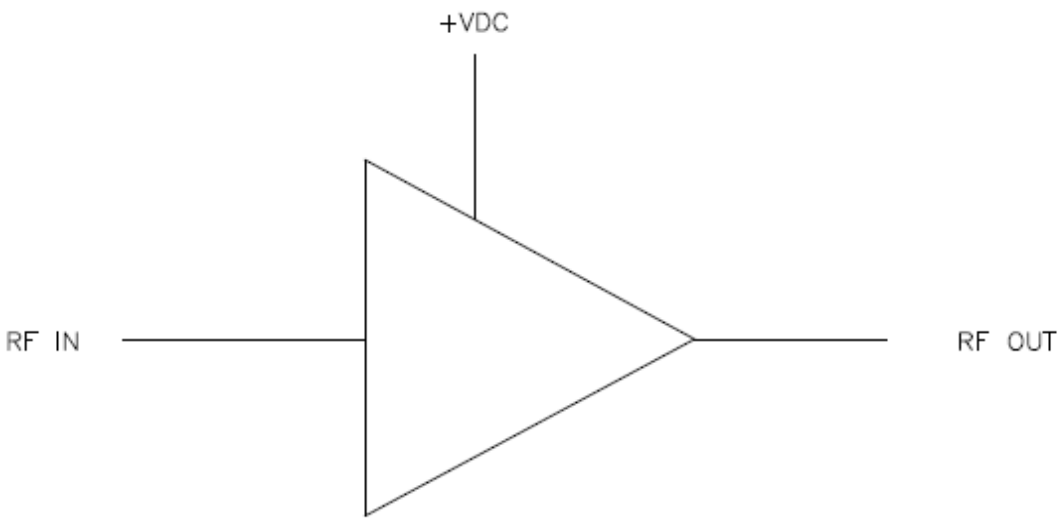


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FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED