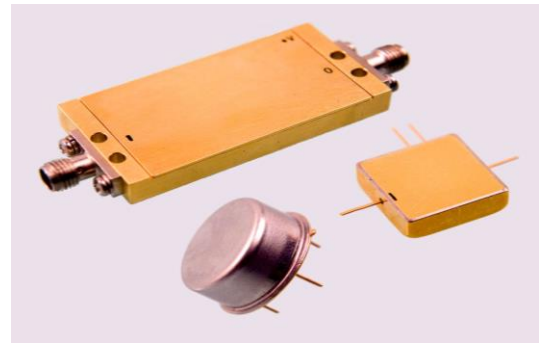


ASC2847C

2-18 GHz Wideband Amplifier

Features: (typical values)

- Output Power +24 dBm.
- Low Noise 2.8 dB.
- High Gain +36 dB.
- No external components required



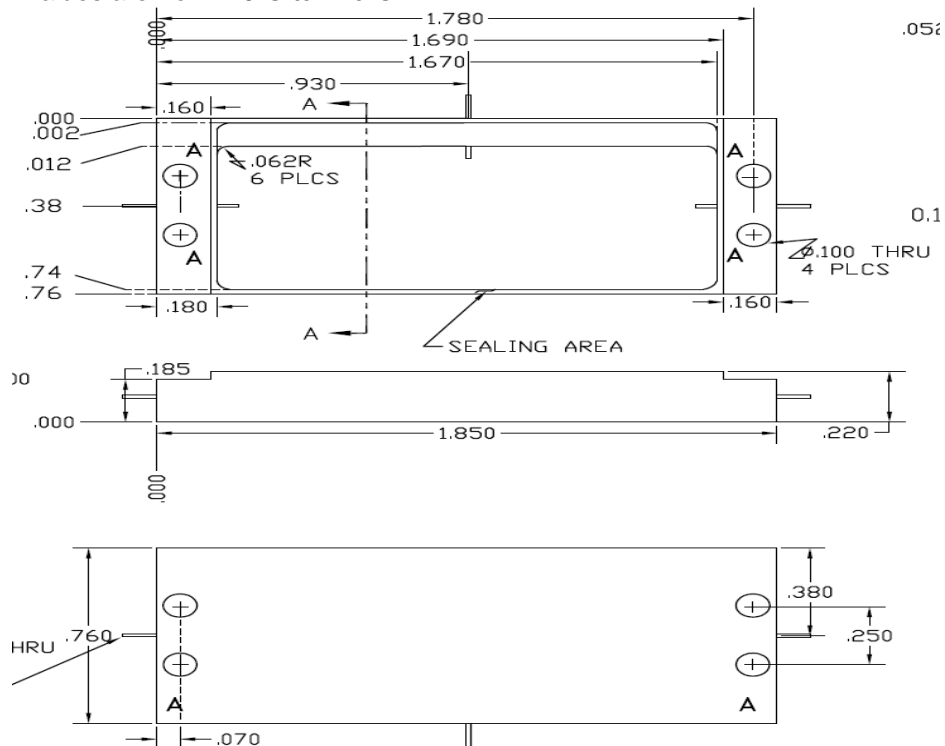
Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +12volts
 RF Input Power CW +10 dBm.
 Case Temperature +95°C

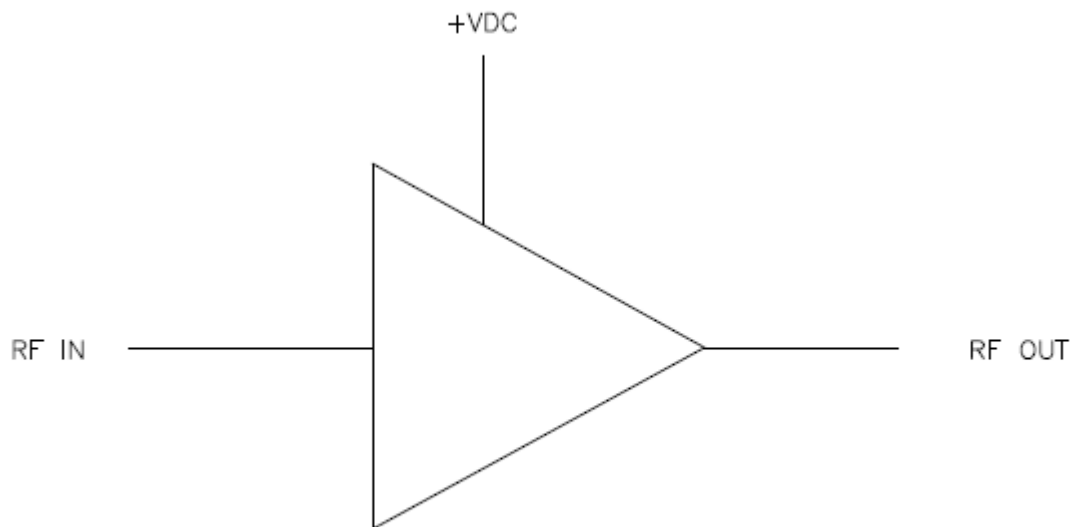
Specifications (Referenced to 50 ohms Impedance)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2	18	GHz.
Gain	36	35	39	dB.
Gain Flatness	±0.75		±1.5	dB.
Pout @ 1dB Comp	25	24.0		dBm.
NF	2.7		3.0	dB.
OIP ₃ (two-tone)	35	33.0		dBm.
VSWR in	1.8		2.2:1	Ratio
VSWR Out	1.8		2.2:1	Ratio
Supply Required	12V/400		12V/500	v/mA.
Package Hermetic with Field-replaceable SMA-F				

Min. and max. values are from -20°C to +70°C



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED