

ASC2964C

4-8 GHz Cascade Amplifier

Features: (typical values)

- Low Noise Figure 1.0 dB.
- Power Out 26 dBm.
- Gain 40 dB.
- No external components required

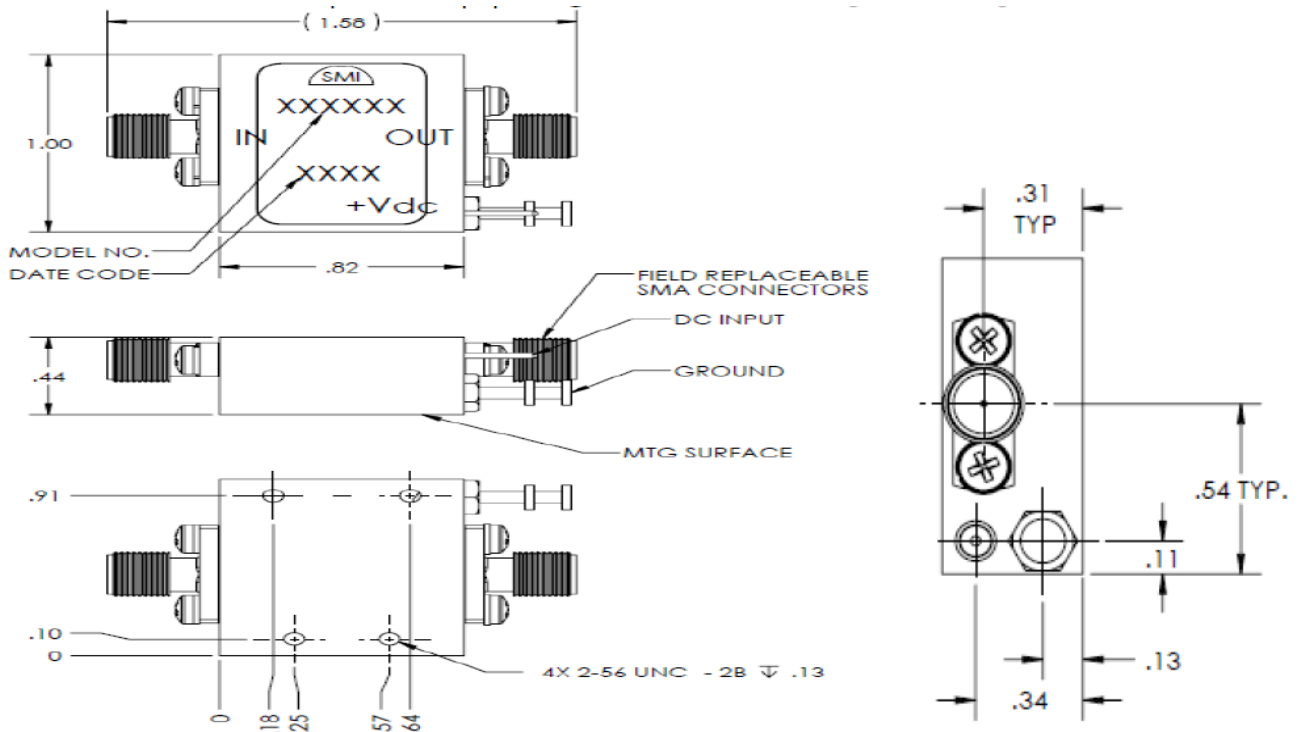
Maximum Ratings

Operating Temperature -20°C to +60°C
 Storage Temperature -20°C to +125°C
 DC Voltage +15 volts
 RF Input Power -10 dBm.
 Case Temperature +100°C

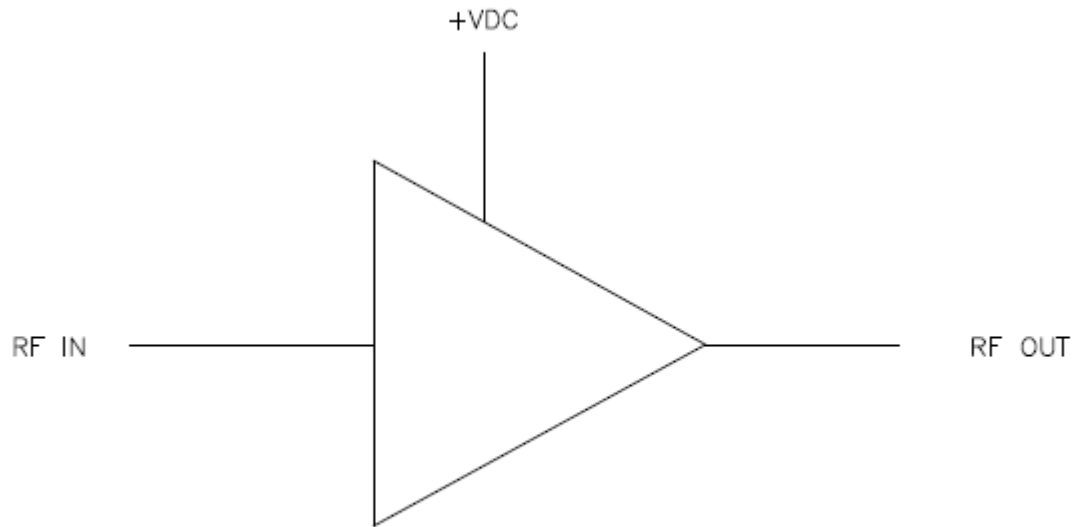
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		4	8	GHz.
Gain	40	36		dB.
Gain Flatness	±0.75		±1.0	dB.
Pout @ 1dB Comp	+26	+25		dBm.
Noise Figure	1.0		1.5	dB.
VSWR In/Out	1.8:1		2.0:1	Ratio
Impedance, Input/Output	50 Ohm			
Supply Required	+15/450		+15/500	v/mA.

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED