

ASC2643C

50 - 4000 MHz Amplifier



Features: (typical values)

- Bandwidth 50-4000 MHz.
- Power Out 22 dBm.
- Medium Gain 17 dB.
- Reverse Polarity Protection Optional
- No external components required

Maximum Ratings

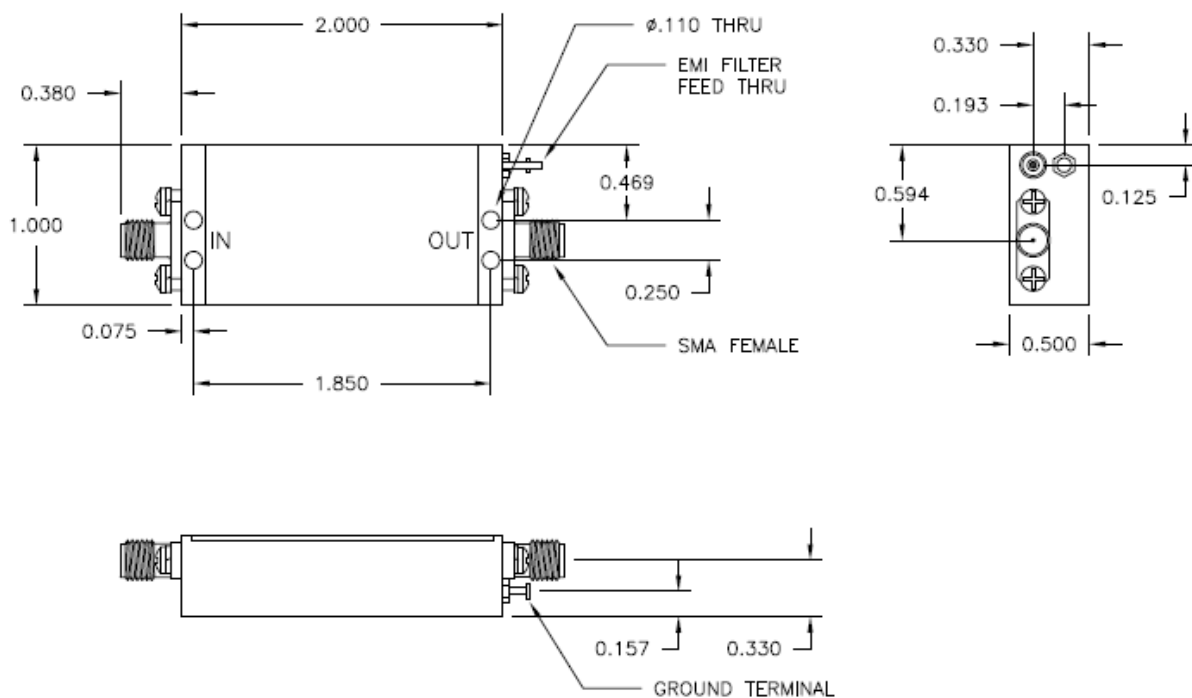
Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +15 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

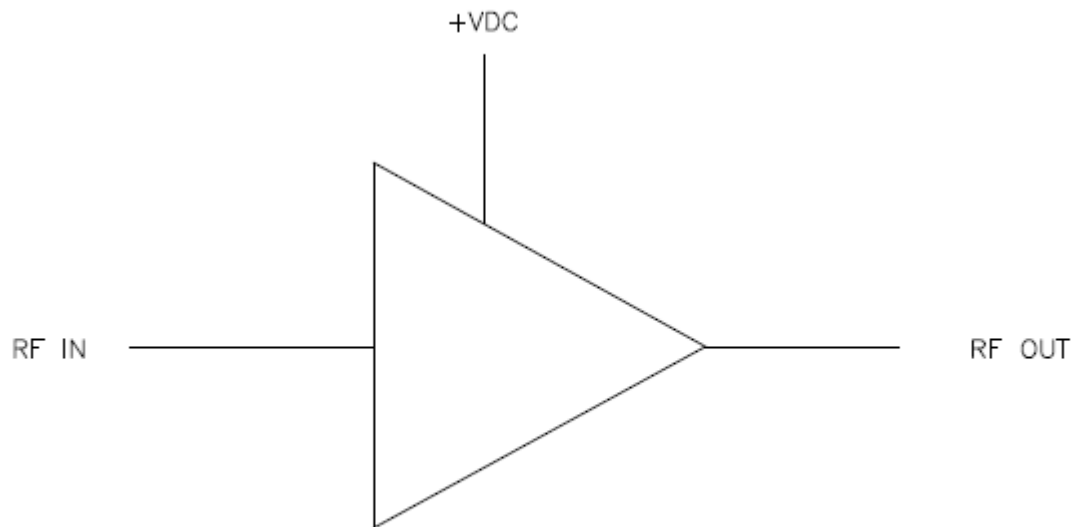
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		50	4000	MHz.
Gain	16.8	14		dB.
Gain Flatness	±0.7		±1.2	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+21.5	+20		dBm.
Noise Figure (200-4000 MHz)	5.2		6.5	dB.
IP ₃ @ two input tone of +10dBm	36			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/230		+15/250	v/mA.

Min. and max. Values are from -55°C to +85°C

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED