

ASC2688C

10-2000 MHz Wideband Amplifier



Features: (typical values)

- Bandwidth 10-2000 MHz.
- Power Out 15.0 dBm.
- Gain 37 dB.
- Noise Figure..... 4.0 dB.
- IP₃ 30 dBm.
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +12 volts
 RF Input Power -8 dBm.
 Case Temperature +100°C

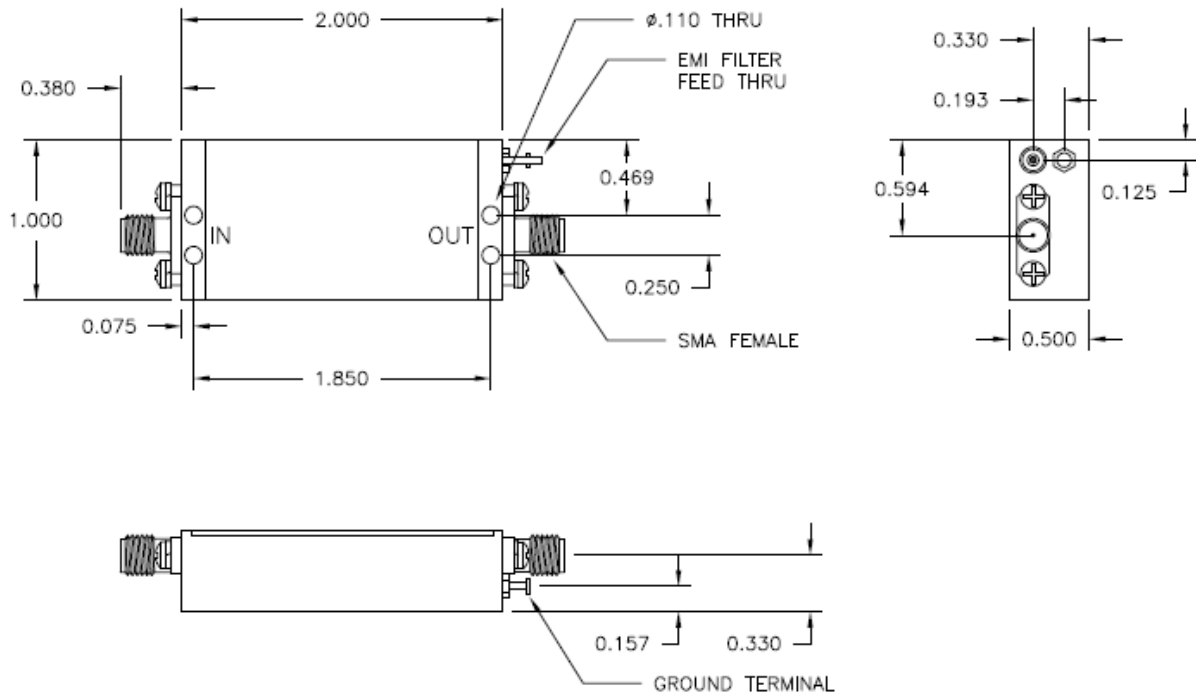
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	2000	MHz.
Gain	37	35	40	dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+15	+10		dBm.
Noise Figure	4.0		5.0	dB.
IP ₃	30	25		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+12/230		+12/250	v/mA.

Min. and max. Values are from 0°C to +70°C

Parts compliant with MIL-STD-883

OUTLINE



FUNCTIONAL BLOCK DIAGRAM

