

ASC2424C

**800-1670 MHz
Amplifier**



Features: (typical values)

- Bandwidth 800-1670 MHz.
- Noise Figure 3.5 dB.
- Medium Gain 25 dB.
- No external components required

Maximum Ratings

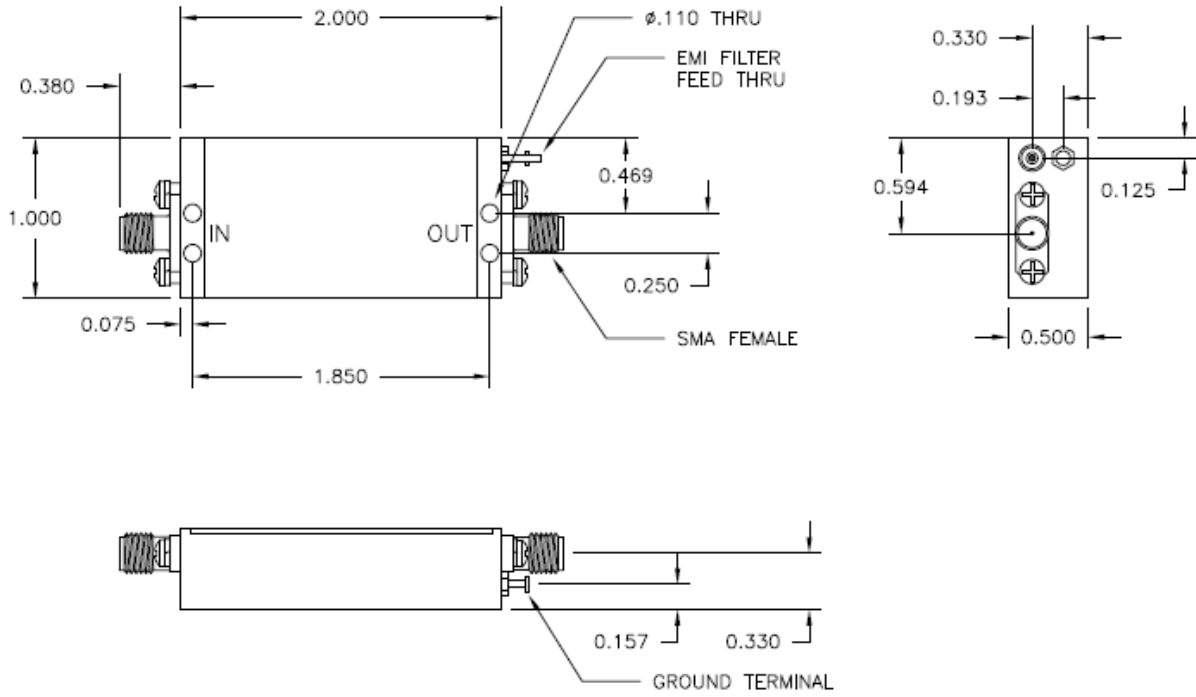
Storage Temperature -62°C to +125°C
 DC Voltage +15 volts
 RF Input Power +15.0 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

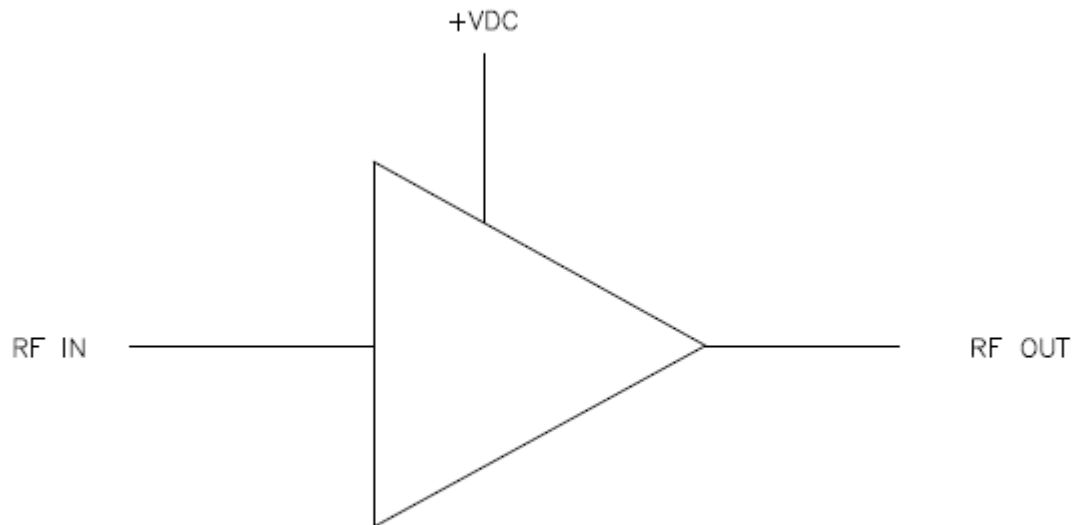
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		800	1670	MHz.
Gain	25	23		dB.
Gain Flatness	±0.20		±0.25	dB.
Gain Var. over temp	0.6			ΔdB.
Phase Matching unit to unit	±2.0		±2.5	Deg
Pout @ 1dB Comp	+25	+23		dBm.
Noise Figure	3.5		4.0	dB.
Reverse Isolation	40			dB.
IP ₃ /IP ₂ (two-tone)*	40/50			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+12/270		+12/300	v/mA.

Min. and max. values are from -20°C to +75°C
 *IP₃ and IP₂ are in band output intercept points

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED