

ASC2704C

2400-2500 MHz Low Noise Amplifier



Features: (typical values)

- Bandwidth 2400-2500 MHz.
- Power Out 16 dBm.
- High Gain 45 dB.
- NF 1.5 dB.
- No external components required

Maximum Ratings

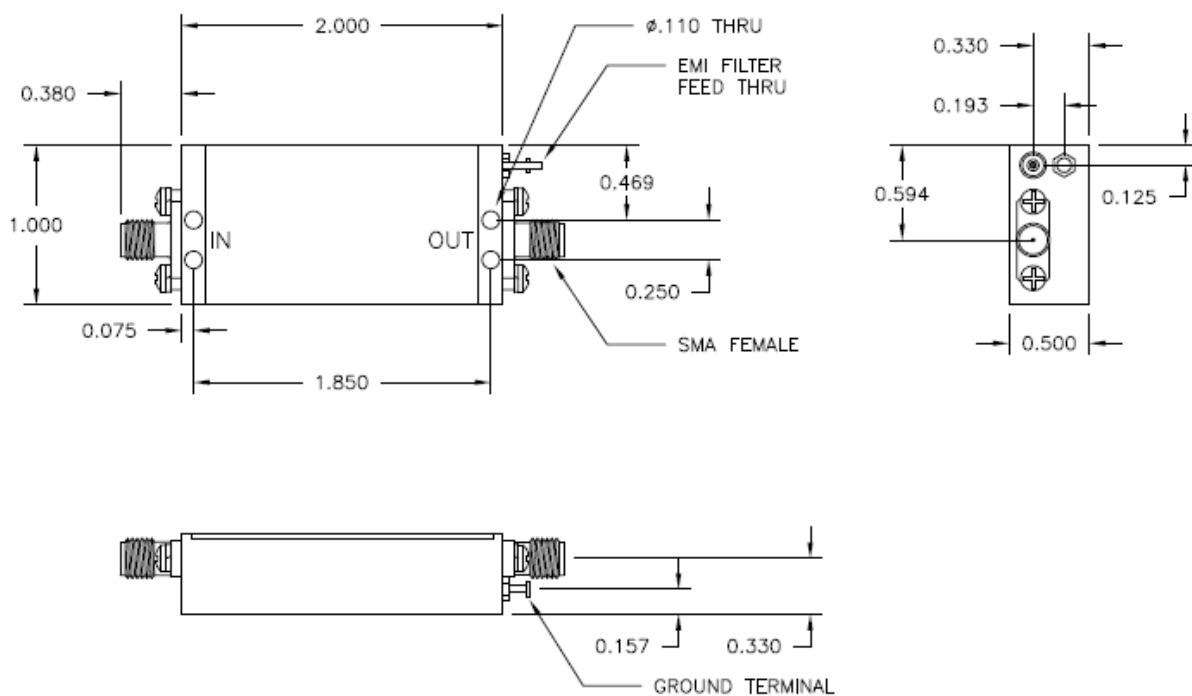
Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power - 25 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

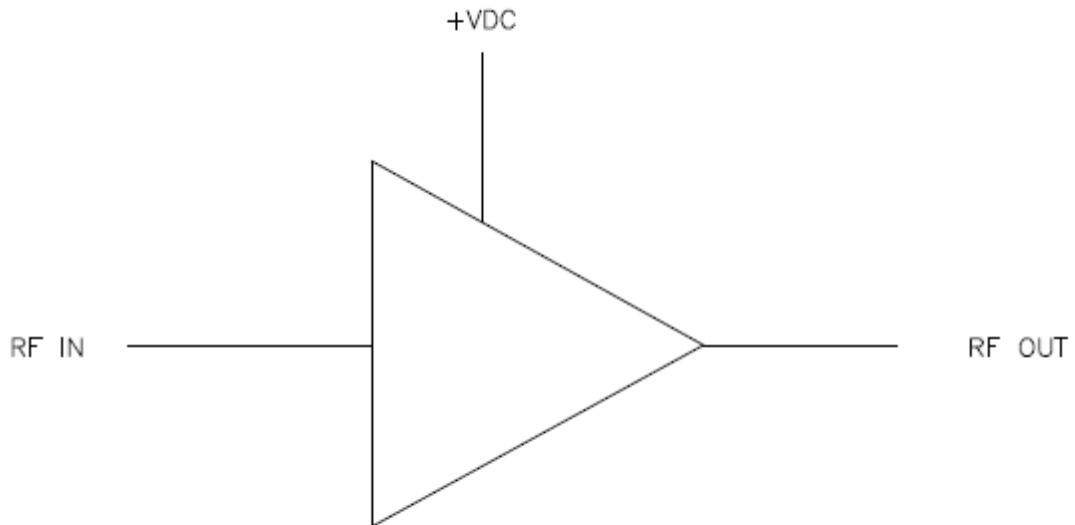
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency	2450	2400	2500	MHz.
Gain	45	43		dB.
Gain Flatness	0.7		1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+16	+14		dBm.
Noise Figure	1.5		2.0	dB.
IP ₃ @ two input tone of +5dBm	30	25		dBm.
VSWR In/Out	1.6:1		2.0:1	
Supply Required	+15/250		+15/300	v/mA.

Min. and max. Values are from -40°C to +85°C

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED