

ASC2769C

700-2800 MHz Wideband Amplifier



Features: (typical values)

- Low Power 22 dBm.
- Low Noise Figure 3.0 dB.
- Medium Gain 23 dB.
- No external components required

Maximum Ratings

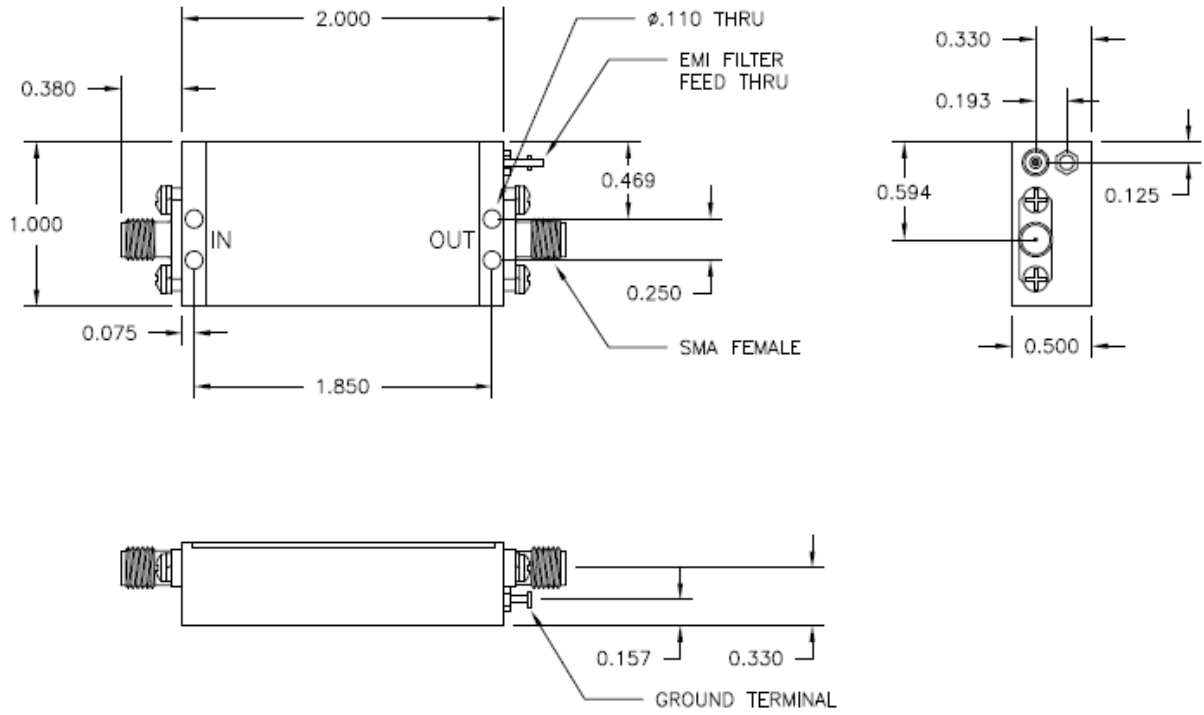
Storage Temperature -62°C to +125°C
 DC Voltage +12 volts
 RF Input Power +10.0 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

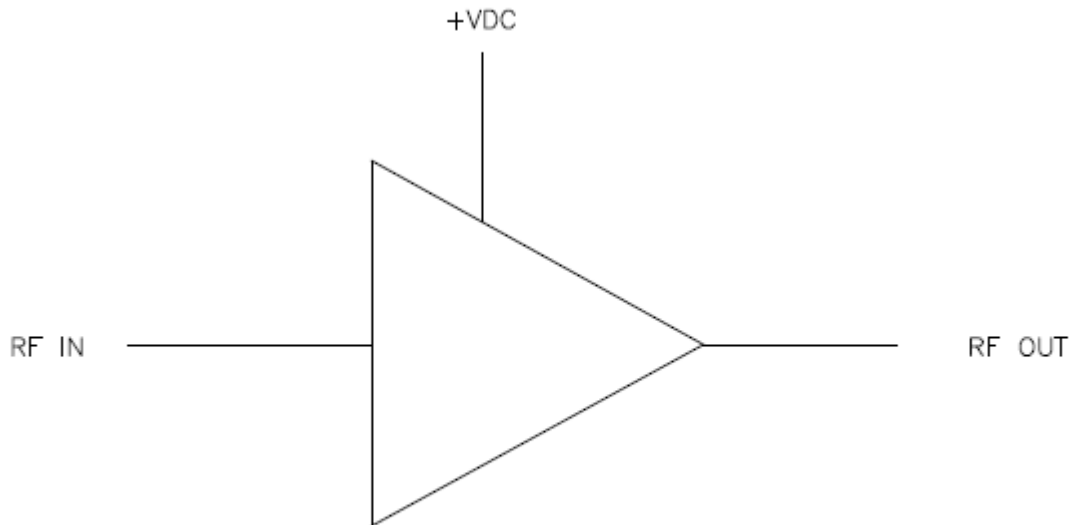
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		700	2800	MHz.
Gain	23	20		dB.
Gain Flatness	±0.50		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+22	+20		dBm.
Noise Figure	3.0		4	dB.
Reverse Isolation	30			dB.
IP ₂ (two-tone)*	45	40		dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/230		+12/250	v/mA.

Min. and max. values are from -20°C to +70°C

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED