

# ASC2602C

**700-4200 MHz  
Amplifier**



**Features: (typical values)**

- Bandwidth ..... 700-4200 MHz.
- Power Out ..... 26 dBm.
- Medium Gain ..... 30 dB.
- Noise Figure..... 4.5 dB.
- Reverse Polarity Protection Optional
- No external components required

**Maximum Ratings**

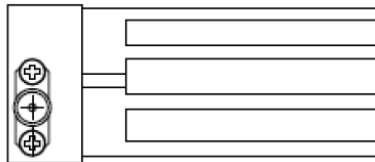
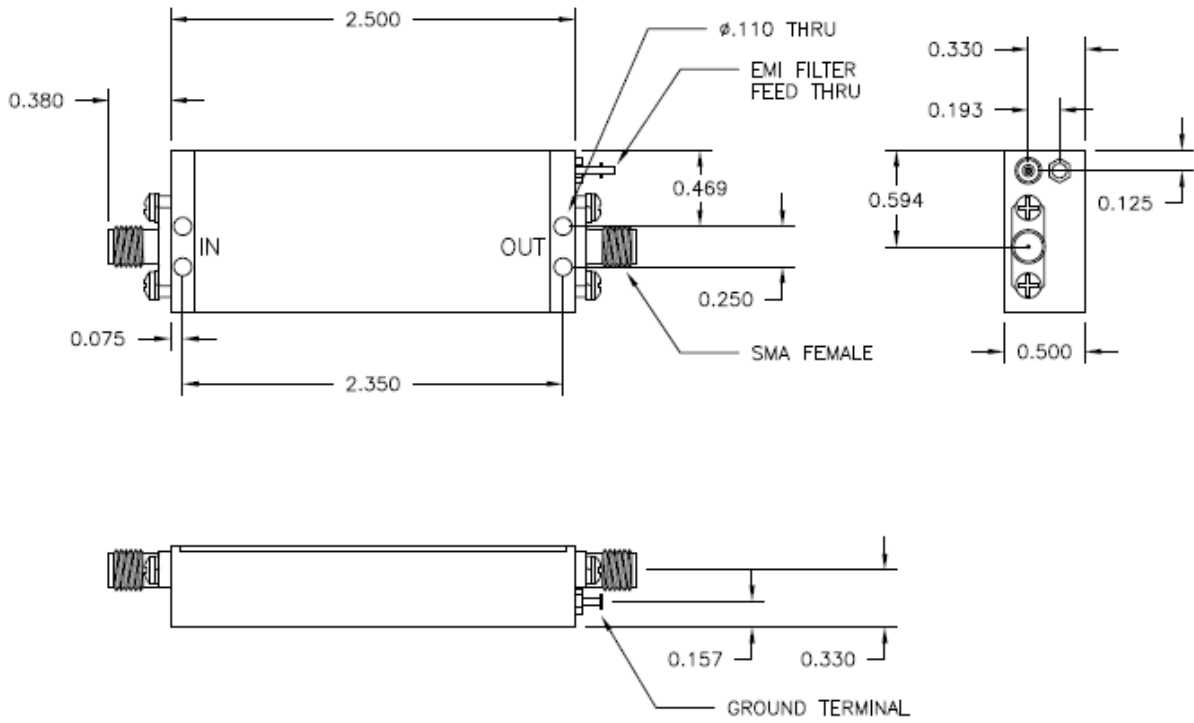
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +15 volts  
 RF Input Power ..... 5 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		700	4200	MHz.
Gain	30	29		dB.
Gain Flatness	±1.5		±2.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+26		+28	dBm.
Noise Figure	4.5		5.0	dB.
IP <sub>3</sub> @ two input tone of +10dBm	36			dBm.
VSWR In/Out	2.2:1		2.5:1	
Supply Required	+15/450		+15/500	v/mA.

Min. and max. Values are from -20°C to +75°C

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM

