

# ASC2603C

## 700-2700 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 700-2700 MHz.
- Power Out ..... 32 dBm.
- Medium Gain ..... 35 dB.
- Noise Figure..... 5.0 dB.
- Reverse Polarity Protection Optional
- No external components required

### Maximum Ratings

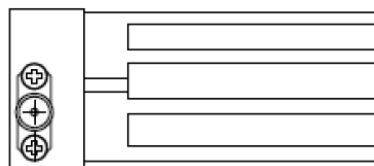
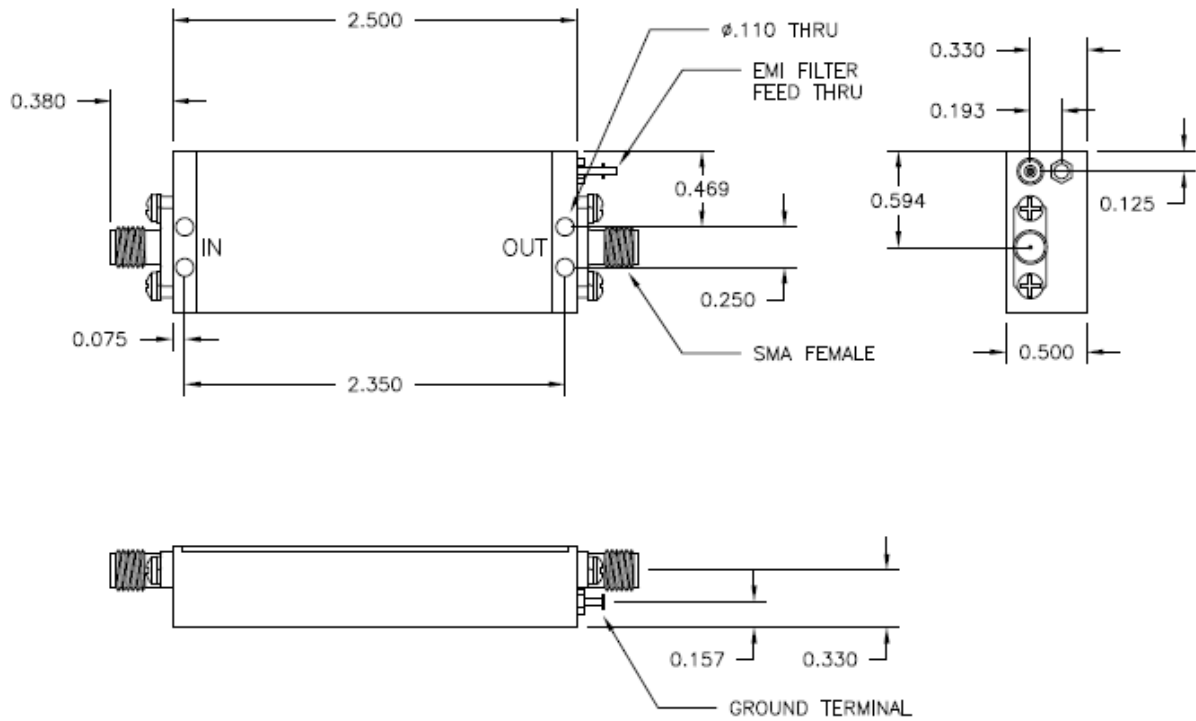
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +15 volts  
 RF Input Power ..... 15 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		700	2700	MHz.
Gain	35	33		dB.
Gain Flatness (800-2700 MHz)	±1.0		±1.5	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp (800-2700 MHz)	+32	+31		dBm.
Noise Figure (800-2700 MHz)	5.0		6.0	dB.
IP <sub>3</sub> @ two input tone of +10dBm	40			dBm.
VSWR In	1.7:1		1.8:1	
Supply Required	+15/700		+15/750	v/mA.

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

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM

