

# ASC2496C

## 1.0-400 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 1.0-400 MHz.
- Power Out ..... 30 dBm.
- Medium Gain ..... 30 dB.
- Reverse Polarity Protection Optional
- No external components required

### Maximum Ratings

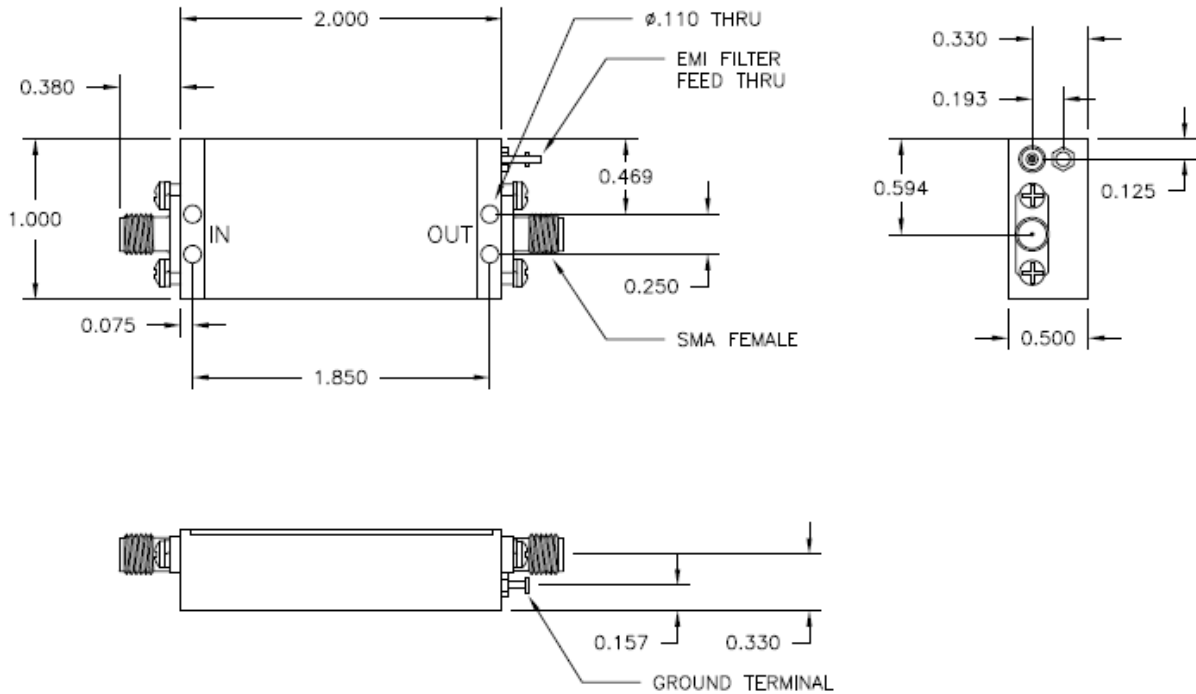
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +24 volts  
 RF Input Power ..... +10 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1.0	400	MHz.
Gain	30	28		dB.
Gain Flatness	±0.50		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+30	+28		dBm.
Noise Figure	5.0		6.0	dB.
Reverse Isolation	40			dB.
IP <sub>3</sub> (two-tone)*	43	40		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+24/320		+24/350	v/mA.

Min. and max. Values are from -40°C to +75°C

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM

