

# ASC2801C

## 1 - 100 MHz Cascade Amplifier



### Features: (typical values)

- Bandwidth ..... 1-100 MHz.
- Power Out ..... 31 dBm.
- Gain ..... 32 dB.
- Noise Figure..... 4.0 dB.
- No external components required

### Maximum Ratings

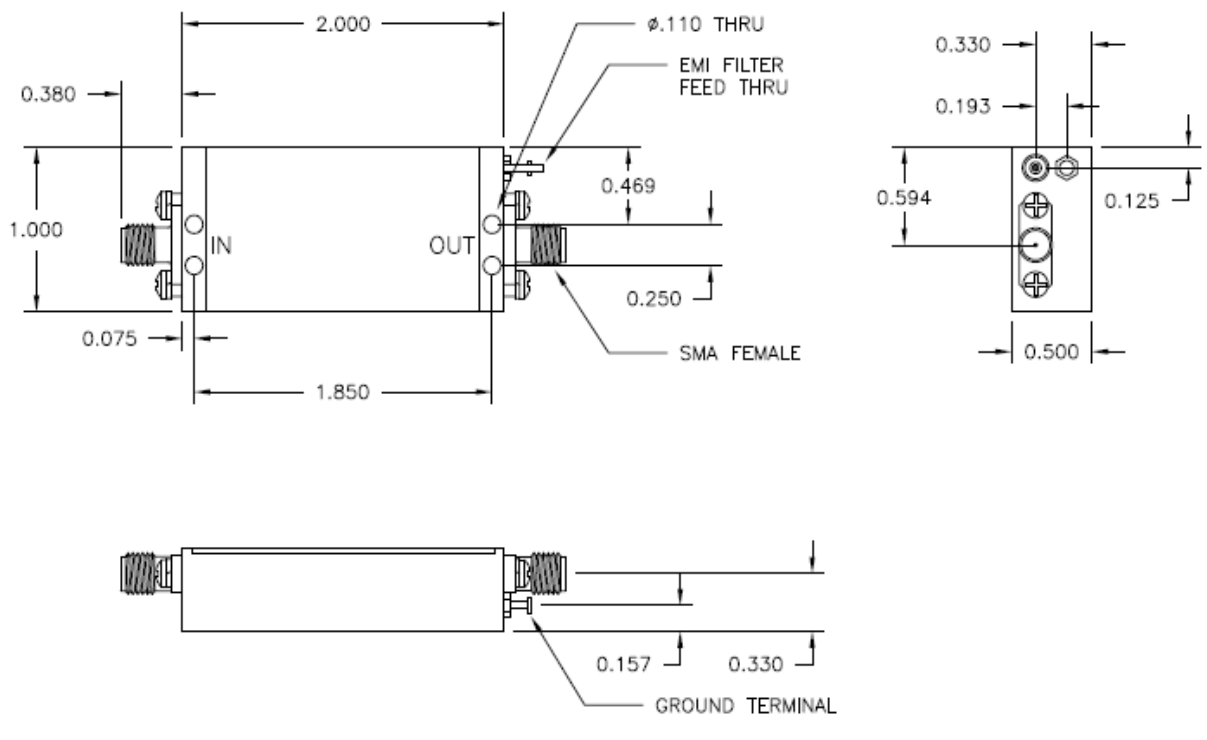
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +24 volts  
 RF Input Power ..... +10 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1	100	MHz.
Gain	32	30		dB.
Gain Flatness	±0.5		±0.75	dB.
Pout @ 1dB Comp	+31	+30		dBm.
IP3 ( two tone ) @ +15dbm per tone	42	40		dBm
Noise Figure	4.0		5.0	dB.
VSWR In/Out	1.7:1		2.0:1	Ratio
Supply Required	+24/400		+24/450	v/mA.

Min. and max. Values are from 0°C to +50°C

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM

