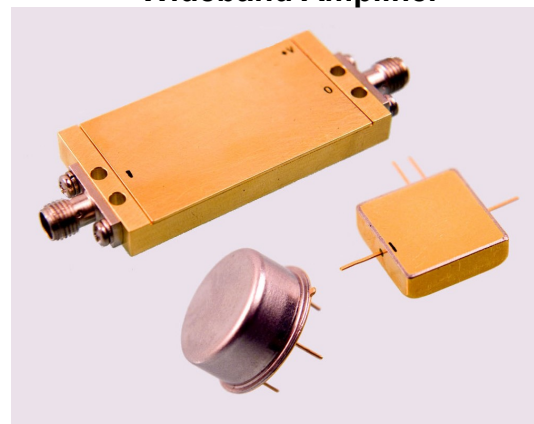


# ASC3103C

## 100-4000 MHz Wideband Amplifier



### Features: (typical values)

- Output Power ..... + 25dBm.
- Low Noise ..... 4.5dB.
- High Gain ..... +27 dB.
- No external components required

### Maximum Ratings

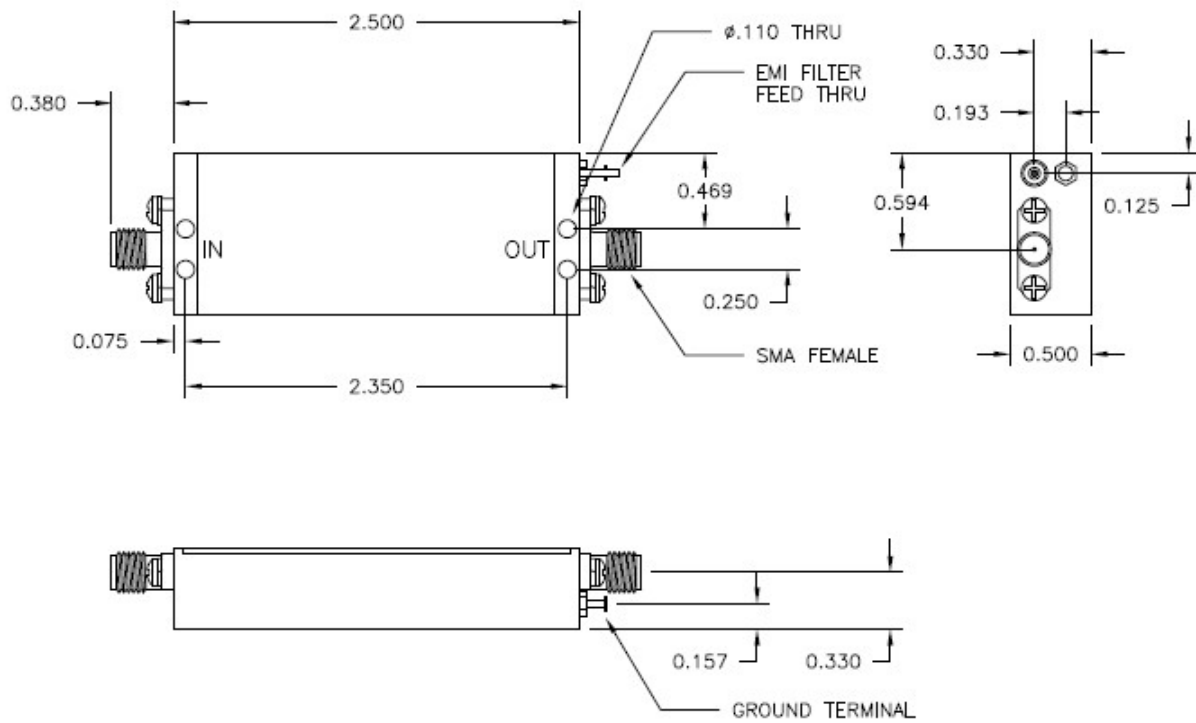
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +16volts  
 RF Input Power ..... +10 dBm.  
 Case Temperature ..... +95°C

Specifications (Referenced to 50 ohms Impedance)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		100	4000	MHz.
Gain	27	25		dB.
Gain Flatness	±0.7		±1.50	dB.
Pout @ 1dB Comp	+25	+24		dBm.
NF	4.5		5.5	dB.
OIP3	35	+33		dBm.
Input/Output VSWR	1.7		2.0:1	Ratio
Supply Required	+15/420		+15/500	v/mA.

Min. and max. values are from 0°C to +70°C  
 Unconditional stability

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM

