

# ASC2630C

## 800-2500 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 800-2500 MHz.
- Power Out ..... 15 dBm.
- Gain ..... 32 dB.
- Reverse Polarity Protection Optional
- No external components required

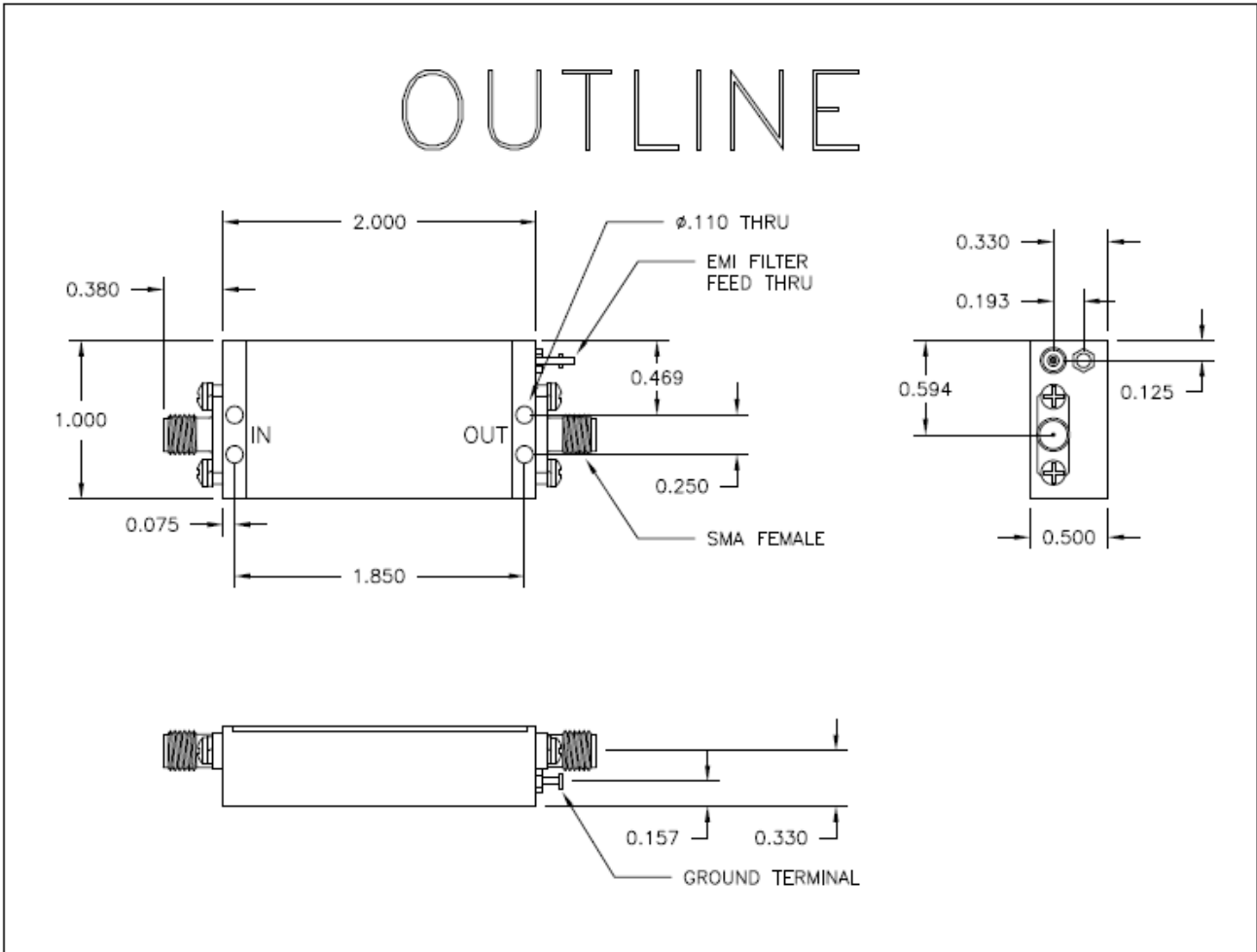
### Maximum Ratings

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... -10 dBm.  
 Case Temperature ..... +100°C

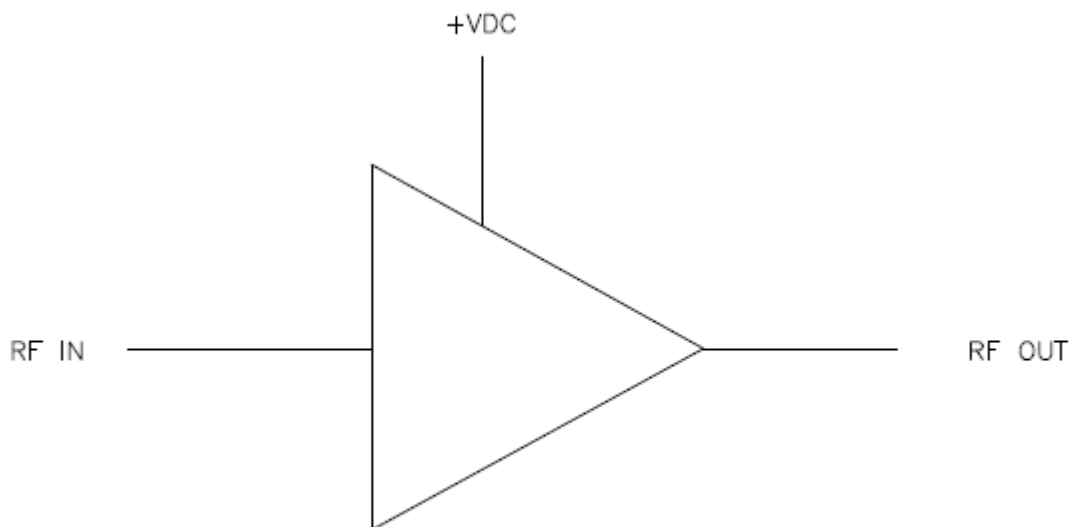
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		800	2500	MHz.
Gain	32	30		dB.
Gain Flatness	±1.0		±2.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+15	+10		dBm.
Noise Figure	0.6		0.7	dB.
IP <sub>3</sub> @ two input tone of +5dBm	30			dBm.
VSWR In/Out	2.0:1		2.3/2.2:1	
Supply Required	+15/150		+15/200	v/mA.

Min. and max. Values are from -40°C to +75°C  
 Noise Temp. to be 50.7 K max.



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED