

# ASC2854C

**2200-2300 MHz  
Cascade Amplifier**



**Features: (typical values)**

- Low Noise Figure ..... 0.8 dB.
- Power Out ..... 12 dBm.
- Gain ..... 30 dB.
- Internal Filter
- No external components required

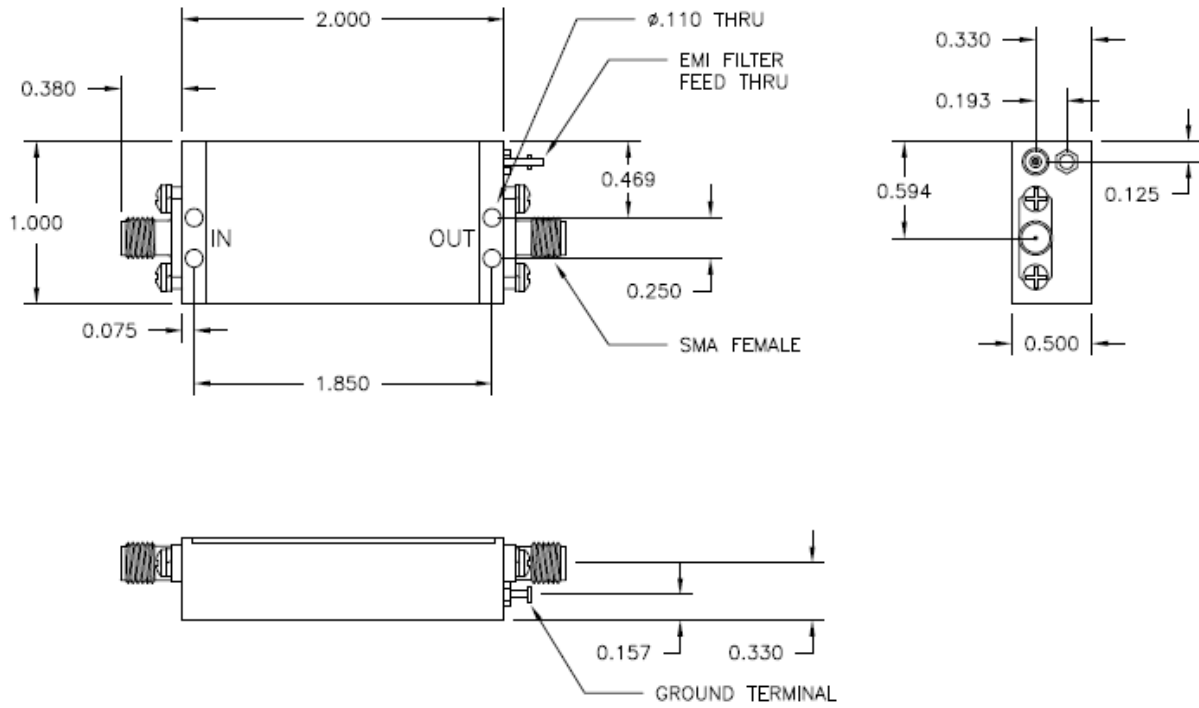
**Maximum Ratings**

Operating Temperature ..... -20°C to +70°C  
 Storage Temperature ..... -55°C to +125°C  
 DC Voltage ..... +12.0volts  
 RF Input Power ..... -10dBm.  
 Case Temperature ..... +100°C

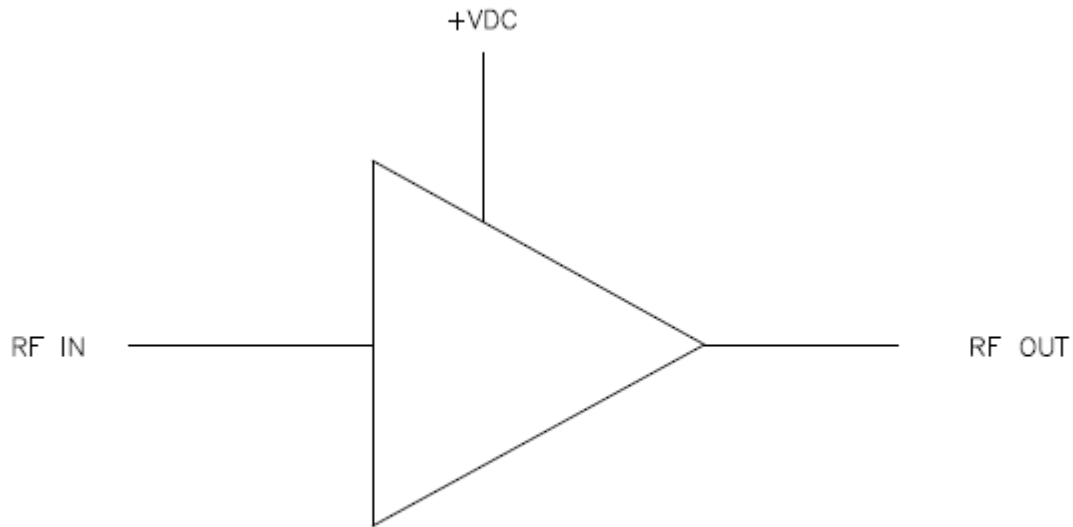
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2.2	2.3	GHz.
Gain	30	25		dB.
Gain Flatness	±0.35		±0.75	dB.
Pout @ P1dB	+12	+10		dBm.
Noise Figure	0.8		1.0	dB.
VSWR In/Out	1.6:1		2.0:1	Ratio
Supply Required	+12/120		+12/140	v/mA.

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED