

# ASC2853C

## 2100-2300 MHz Cascade Amplifier



### Features: (typical values)

- Low Noise Figure ..... 0.8 dB.
- Power Out ..... 12 dBm.
- Gain ..... 38 dB.
- No external components required

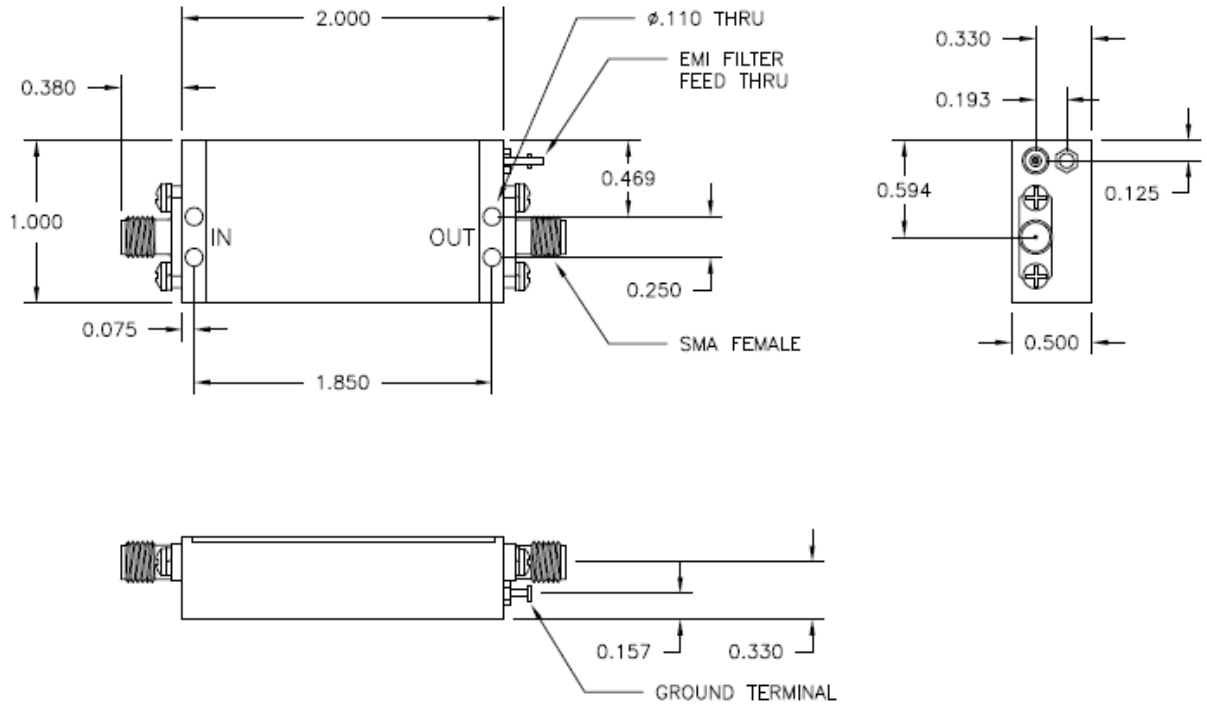
### Maximum Ratings

Operating Temperature ..... -20°C to +70°C  
 Storage Temperature ..... -55°C to +125°C  
 DC Voltage ..... +5.0 volts  
 RF Input Power ..... -20 dBm.  
 Case Temperature ..... +100°C

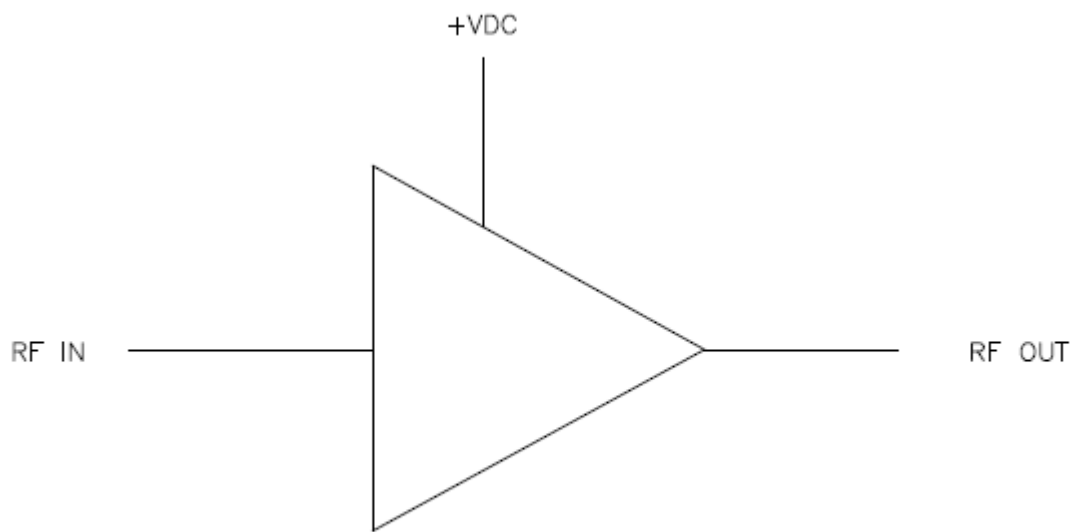
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2.1	2.3	GHz.
Gain	38	35		dB.
Gain Flatness	±0.35		±0.5	dB.
Pout @ P1dB	+12	+10		dBm.
Noise Figure	0.8		1.0	dB.
VSWR In/Out	1.6:1		2.0:1	Ratio
Impedance	50 Ohm		1	W
Supply Required	+5/150		+5/160	v/mA.

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED