

ASC2852C

**380-2000 MHz
Cascade Amplifier**



Features: (typical values)

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

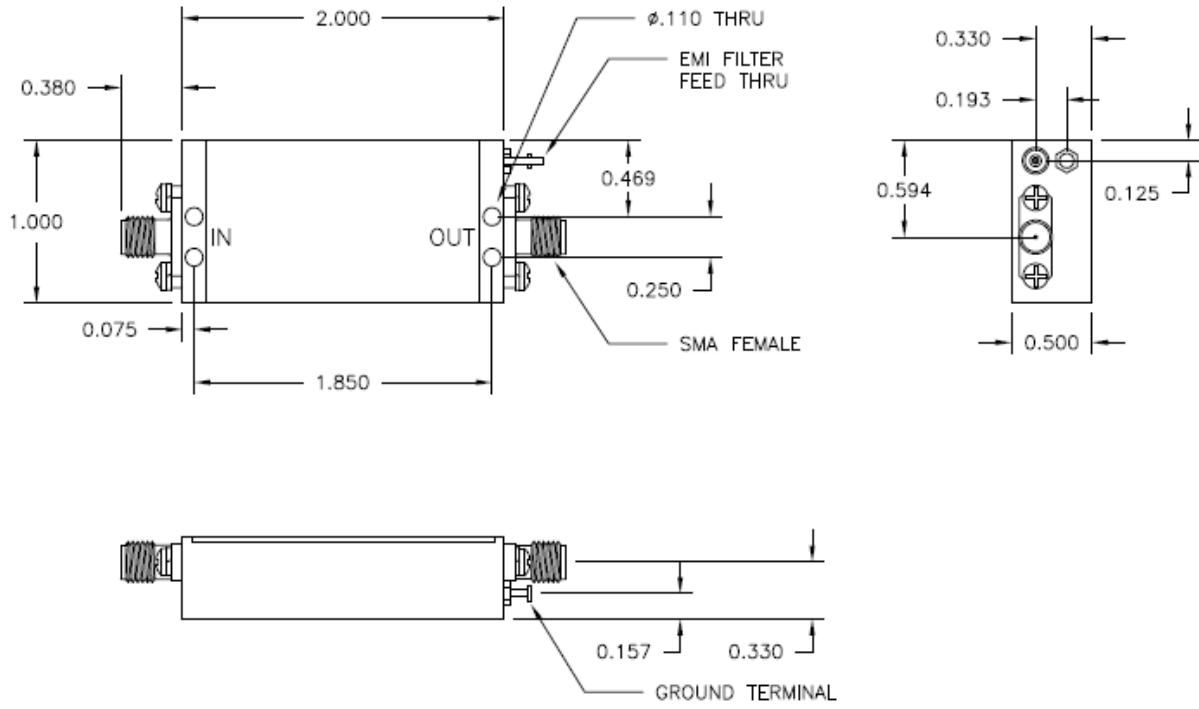
Maximum Ratings

Operating Temperature -40°C to +70°C
 Storage Temperature -55°C to +125°C
 DC Voltage +10.0volts
 RF Input Power 30 dBm.
 Case Temperature +100°C

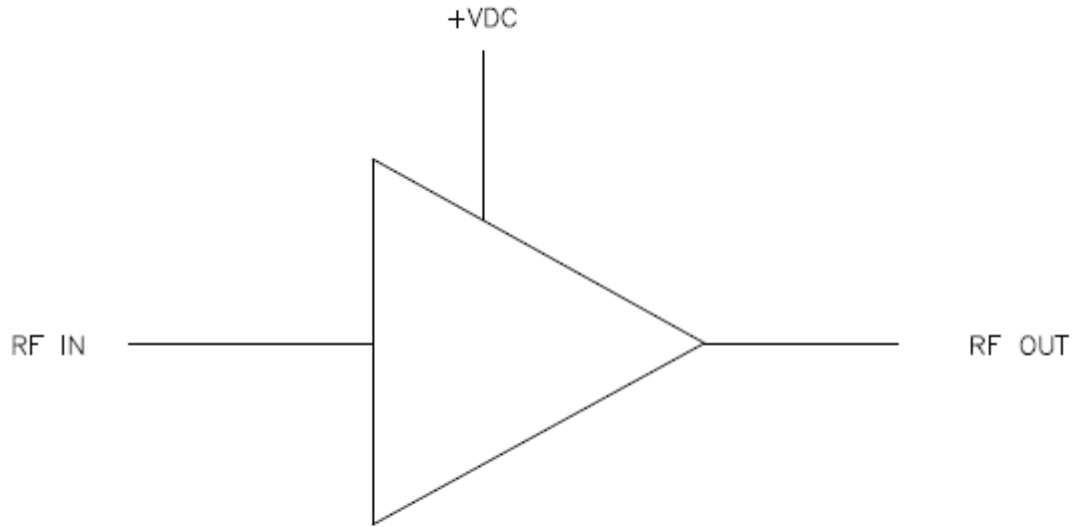
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		0.38	2.0	GHz.
Gain	30	28		dB.
Gain Flatness +/-0.3dB (any 0.3GHz BW)	±0.25		±0.3	dB.
Isolation		50		dB
Pout @ P1dB	+12	+10		dBm.
Noise Figure	0.8		1.1	dB.
VSWR In/Out	1.6:1		2.0:1	Ratio
Max Input (CW) No damage			1	W
Supply Required	+10/100		+10/110	v/mA.

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED