

ASC2721C

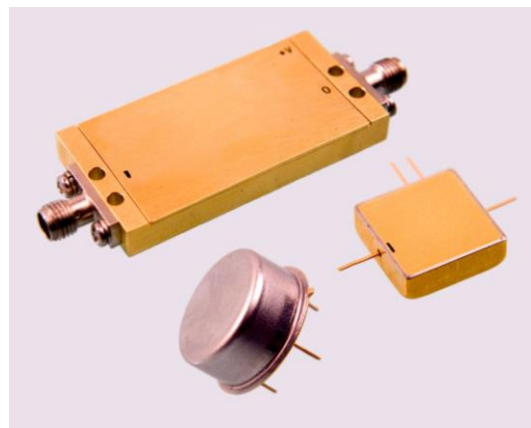
Cascade Amplifier

Features: (typical values)

- Output Power +27 dBm.
- Low Noise 2.5 dB.
- High Gain +16 dB.
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +12volts
 RF Input Power +30 dBm.
 Case Temperature +95°C

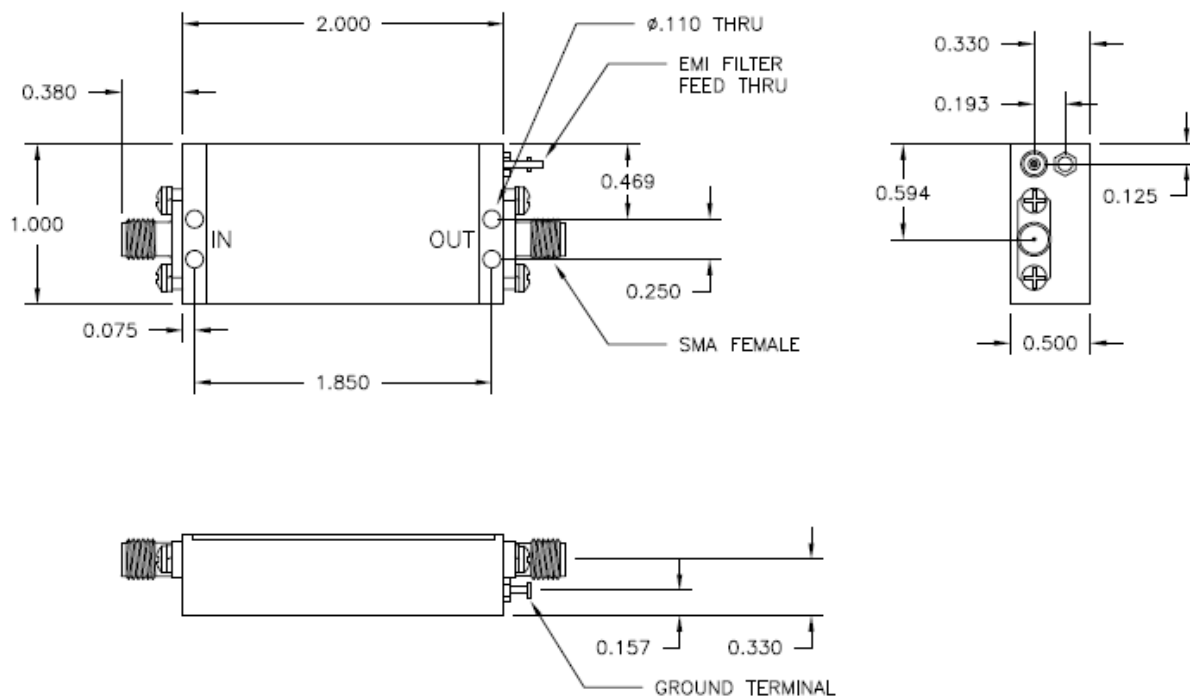


Specifications (Referenced to 50 ohms Impedance)

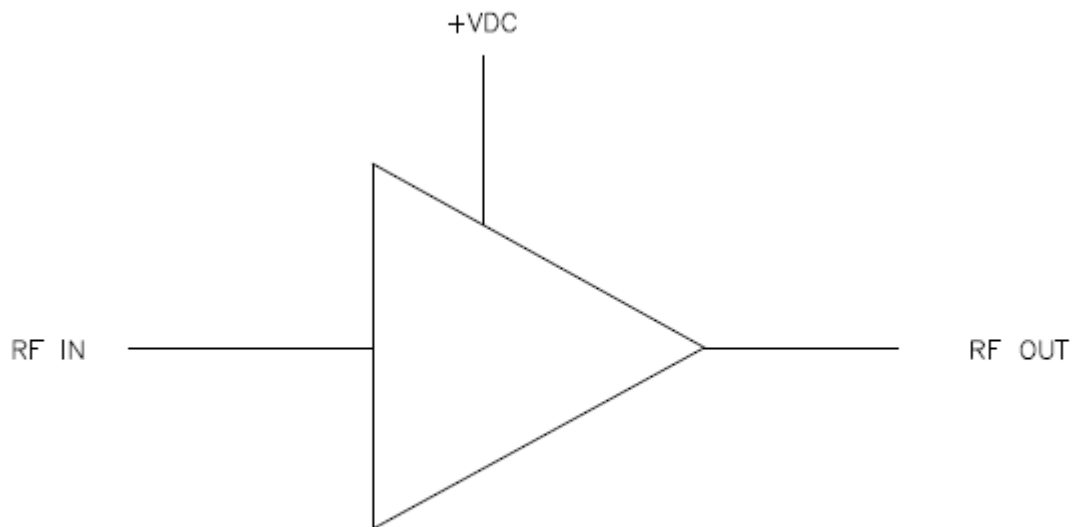
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		500	2000	MHz.
Gain	16	15	17	dB.
Gain Flatness	±0.3		±0.5	dB.
Pout @ 1dB Comp	27	26.0		dBm.
NF	2.5		3.0	dB.
OIP ₃ (two-tone)	43	42.0		dBm.
OIP ₂ (two-tone)	62	60.0		dBm.
VSWR			1.8:1	RATIO
Supply Required			12V/300	v/mA.

Min. and max. values are from -55°C to +70°C

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED