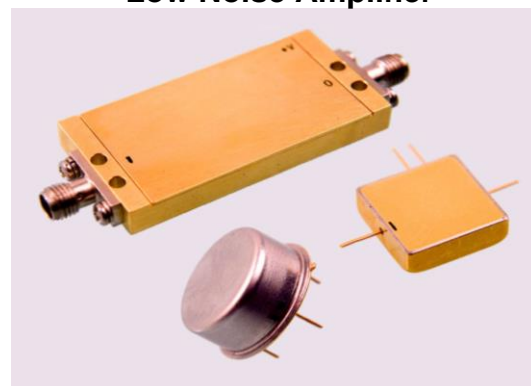


ASC2766C

200-2000 MHz Low Noise Amplifier



Features: (typical values)

- Output Power +27 dBm.
- Low Noise 2.0 dB.
- Gain..... 28dB.
- No external components required

Maximum Ratings

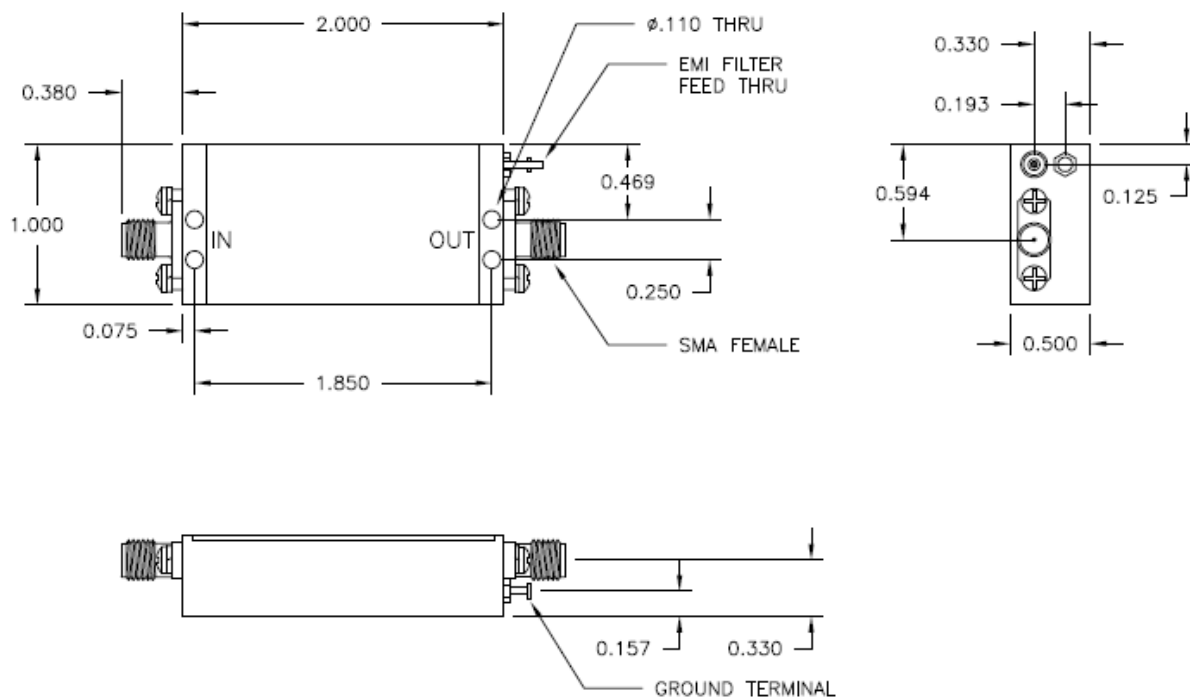
Storage Temperature -62°C to +125°C
 DC Voltage +15 volts
 RF Input Power +10 dBm.
 Case Temperature +95°C

Specifications (Referenced to 50 ohms Impedance)

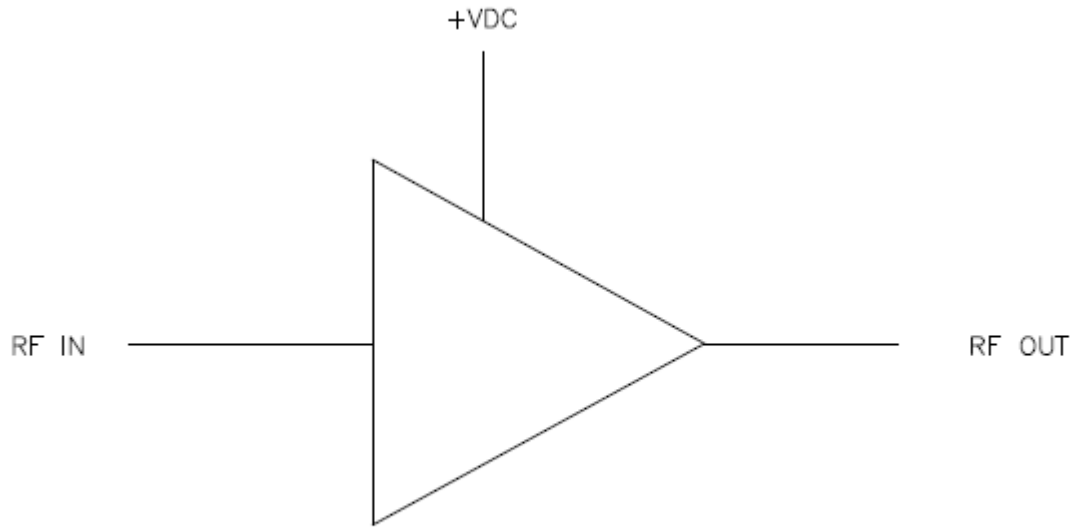
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		200	2000	MHz.
Gain	28	23		dB.
Gain Flatness	±0.50		±1.0	dB.
Pout @ 1dB Comp	+27	+26		dBm.
NF	2.0		2.5	dB.
OIP ₃ (two-tone)	38			dBm.
VSWR in	1.8:1		2.0:1	Ratio
VSWR out	1.8:1		2.5:1	Ratio
Supply Required	+15/263		+15/350	v/mA.

Min. and max. values are from -20°C to +85°C

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED