

ASC2723C

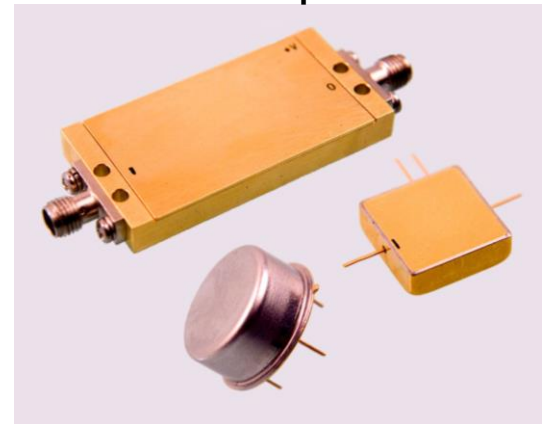
10 – 500 MHz LNA Amplifier

Features: (typical values)

- Output Power +31 dBm.
- Low Noise 1.5 dB.
- High Gain +29 dB.
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +16 volts
 RF Input Power +15 dBm.
 Case Temperature +95°C

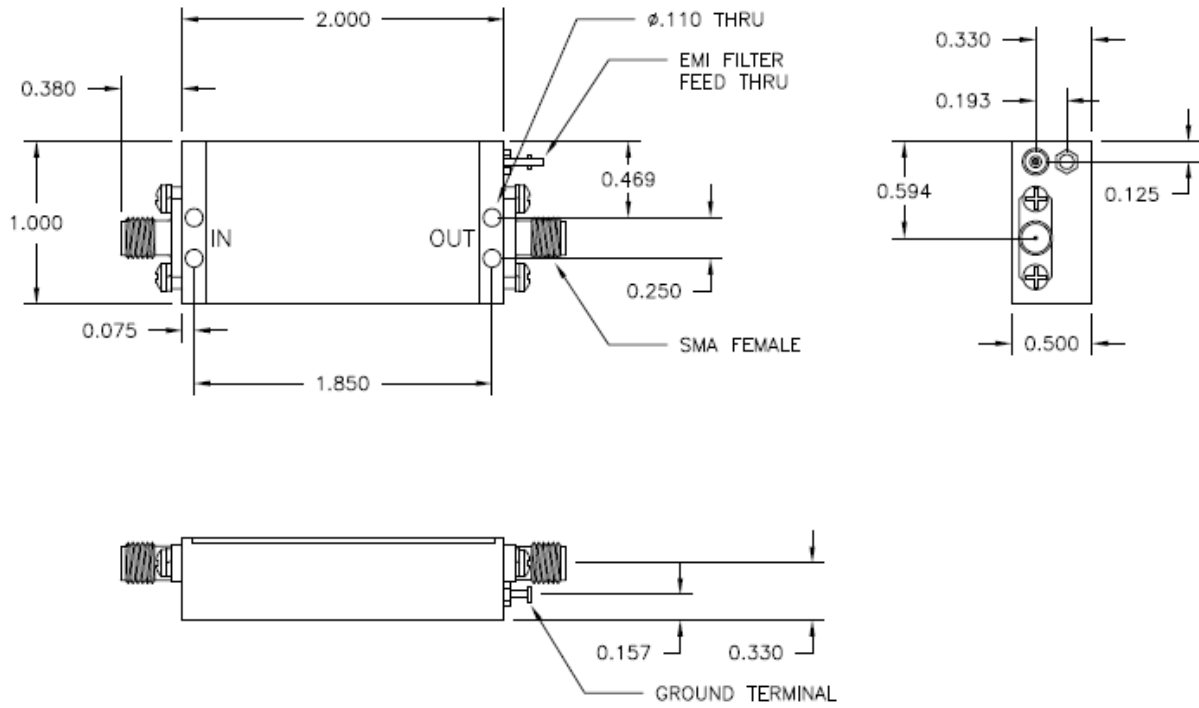


Specifications (Referenced to 50 ohms Impedance)

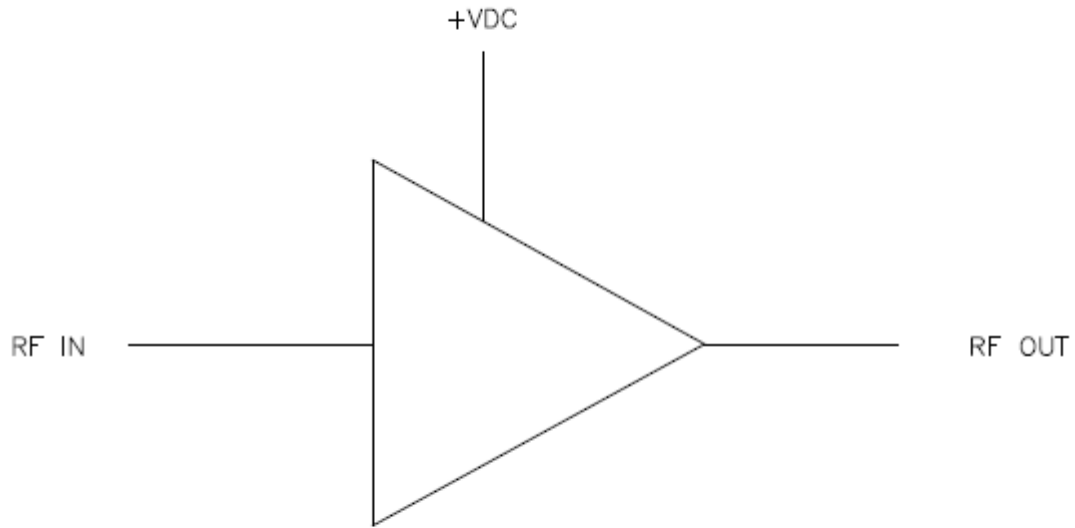
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	500	MHz.
Gain	29	28	30	dB.
Gain Flatness	±0.50		±1.0	dB.
Pout @ 1dB Comp	+31.0	+30.0		dBm.
NF	1.5		2.0	dB.
OIP ₃ (two-tone)	43.0	40.0		dBm.
VSWR	1.4:1		1.5:1	Ratio
Supply Required	+15/330		+15/370	v/mA.

Min. and max. values are from -20°C to +70°C

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED