

ASC2814C

Features: (typical values)

- Low Noise Figure 1.8 dB.
- Power Out 12 dBm.
- Gain 48 dB.
- No external components required

**18-26 GHz
Low Noise Amplifier**

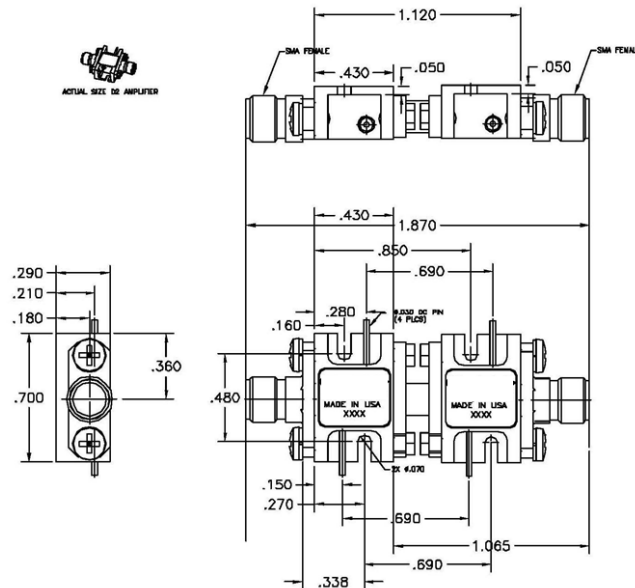
Maximum Ratings

Operating Temperature -20°C to +60°C
 Storage Temperature -20°C to +125°C
 DC Voltage +15 volts
 RF Input Power -30 dBm.
 Case Temperature +100°C

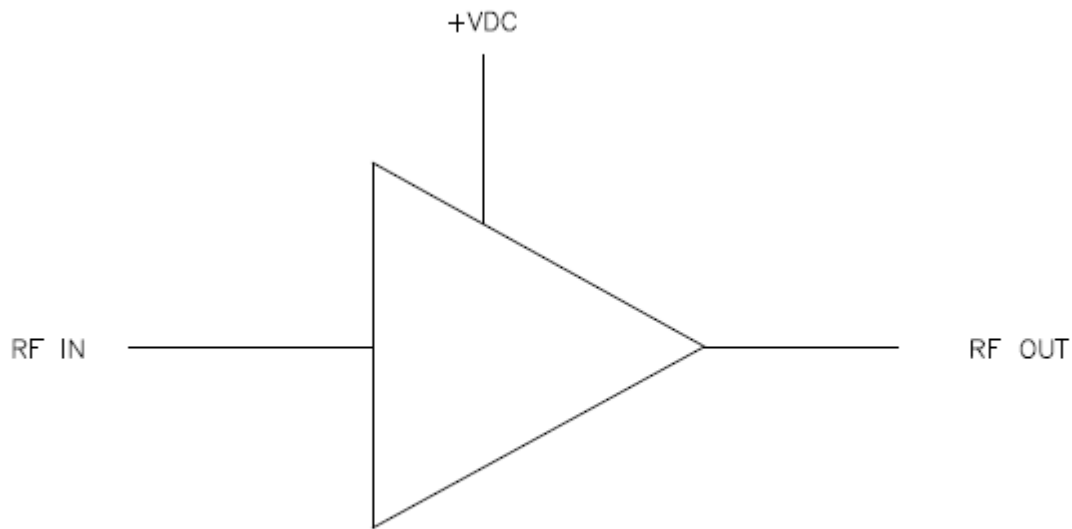
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		18	26	GHz.
Gain	48	45		dB.
Gain Flatness	±2.0		±2.5	dB.
Pout @ 1dB Comp	+12	+10		dBm.
Noise Figure	1.8		2.0	dB.
VSWR In/Out	1.8:1		2.0:1	Ratio
Impedance, Input/Output	50 Ohm			
Supply Required	+15/200		+15/500	v/mA.

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED