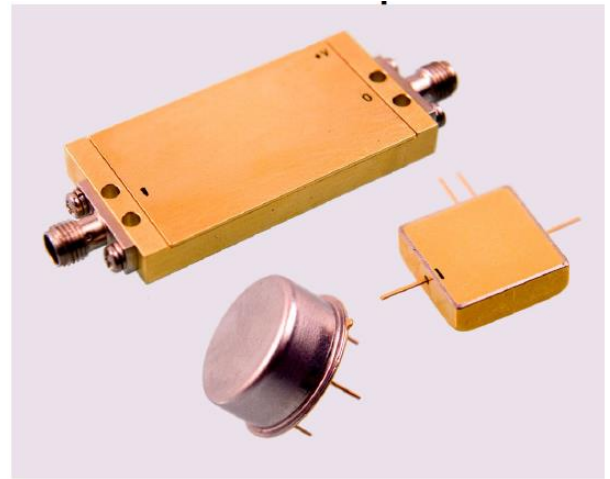


ASC2422C

Features: (typical values)

- Frequency Range: 1.0 – 2.0 GHz
- Low Noise Figure: 1.5 dB
- P1dB: 22 dBm
- Gain: 33 dB
- Unconditional Stability
- **RF IN/OUT will be SMA-F**
- No external components required

**1.0 - 2.0 GHz
SMA-F Amplifier**



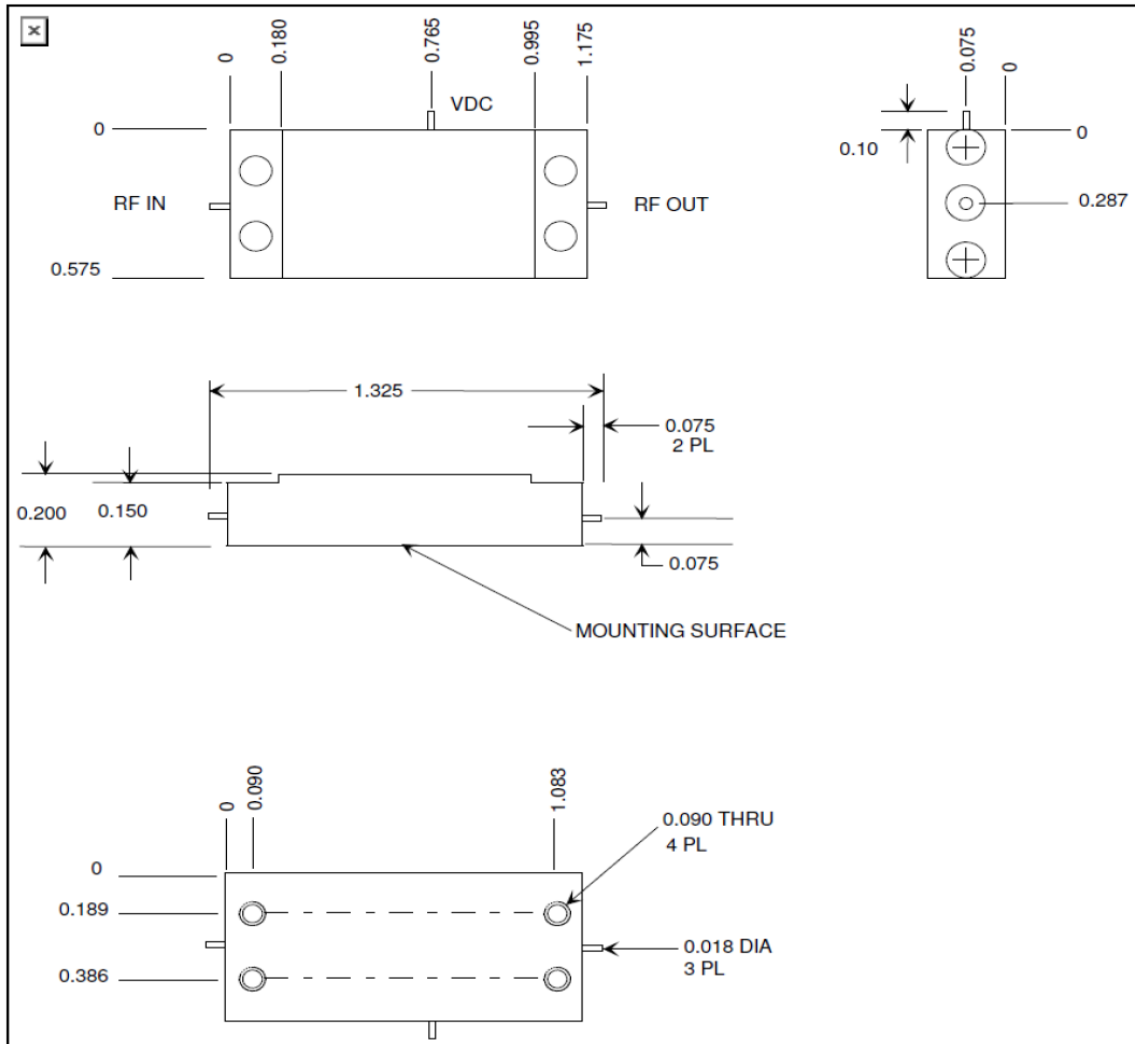
Maximum Ratings

Storage temperature -40°C to +100°C
 DC Operating Voltage +15.0 volts
 RF Input Power -5 dBm. Max.
 Operating Base Temp. -20 to +100°C

Specifications @ Tcase = 25°C, Vcc = 12V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1.0	2.0	GHz.
Power Gain	33	30		dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.7		2.0:1	-
Output VSWR	1.8		2.0:1	-
Noise Figure	1.5		2.0	dB.
Power Output- 1db Compression	22	21		dBm
Supply Current	270		300	mA.
Supply Voltage	12		15	V

OUTLINE DRAWING



FUNCTIONAL BLOCK DIAGRAM

