

# ASC230C

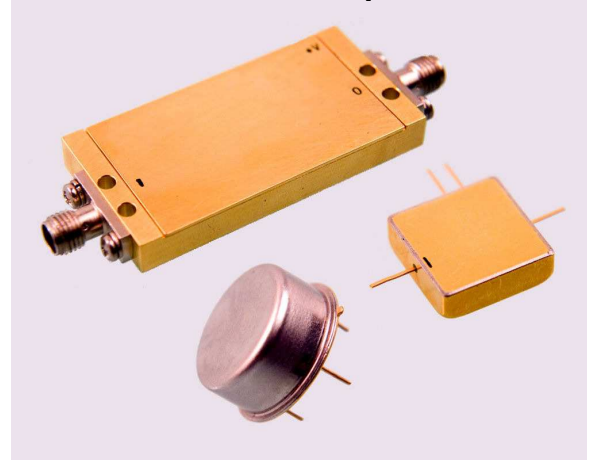
### Features: (typical values)

- Wideband 400-2700 MHz
- High Second Order IP2 ..... +56.0 dBm.
- High Third Order IP3 ..... +41.0 dBm.
- High Gain..... +33 dB
- Low Noise ..... + 3.0 dB

### Maximum Ratings

- Storage Temperature ..... -55°C to +125°C
- DC Voltage ..... +17 volts
- RF Input Power ..... +15.0 dBm.
- Case Temperature ..... +95°C

### 400-2700 MHz Wideband Amplifier

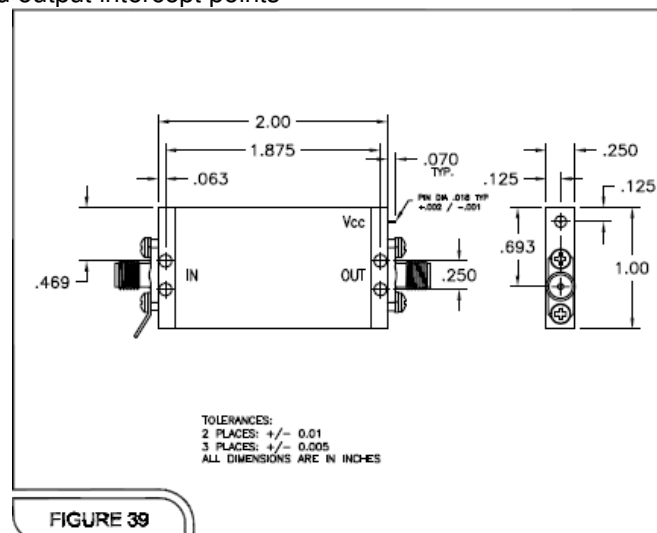


Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency	400/2700	450	2700	MHz.
Gain	33	31		dB.
Gain Flatness	±0.3		±1.0	dB.
Gain Var. over temp.	0.5			ΔdB.
Pout @ 1dB Comp	+25	+23		dBm.
Noise Figure	3.0		4.0	dB.
Reverse Isolation	30			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two tone)*	41/56	36/51		dBm.
HIP2 (2 <sup>nd</sup> harm.)	61			dBm.
VSWR In/Out	1.5:1		2.0:1	Ratio
Supply Required	+15/300		+15V/350	v/mA

Min. and max. values are from 0°C to +85°C

\*IP3 and IP2 are in band output intercept points



**Typical Performance Curves @**

■ -0°C    ◆ +25°C    ▲ +85°C

