

ASC402C

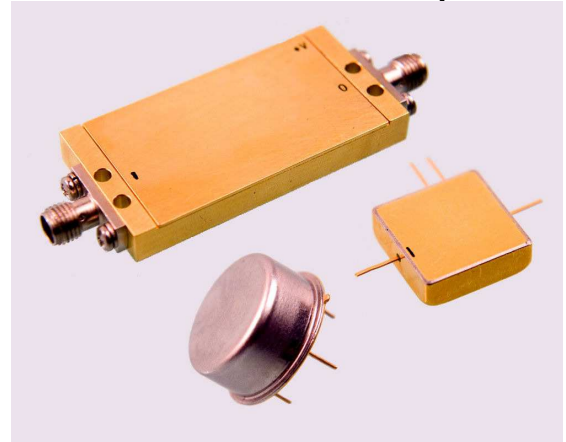
Features: (typical values)

- Low Distortion
- High Second Order IP2 +70.0 dBm.
- High Third Order IP3 +42.0 dBm.
- Hermetic Package (Surface Mount available)

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +15.0 dBm.
 Case Temperature +95°C

20-1200 MHz Push-Pull Wideband Amplifier

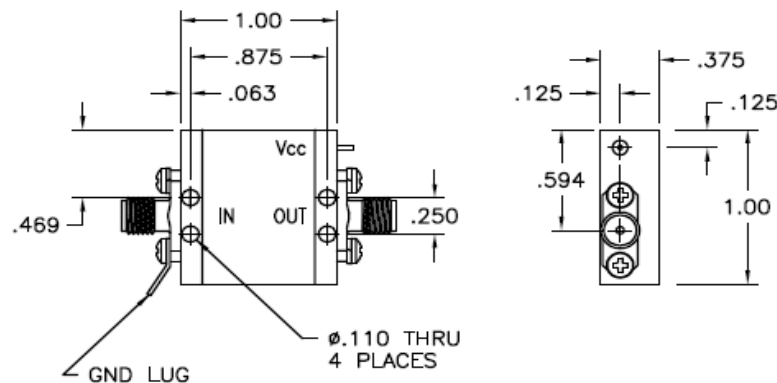


Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	1200	MHz.
Gain	11.5	10.0		dB.
Gain Flatness	±0.4		±1.0	dB.
Gain Var. over temp	0.7			ΔdB.
Pout @ 1dB Comp	+27	+25		dBm.
Noise Figure	4.0		6.0	dB.
Reverse Isolation	17.0			dB.
IP ₃ /IP ₂ (two-tone)*	42/70	38/60		dBm.
HIP2 (2 nd harm.)	75			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/190		+15/220	v/mA.

Min. and max. values are from -40°C to +85°C

*IP3 and IP2 are in band output intercept points



Typical Performance Curves

■ -40°C ◆ -25°C ▲ +85°C

