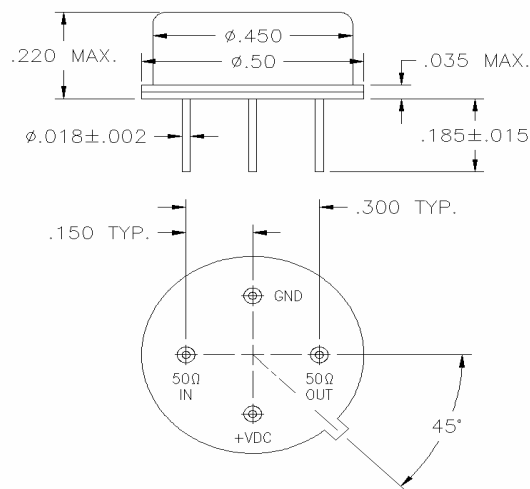


ASC608-3 2-500 MHz. Cascadable Amplifier



Features: (typical values)

- High Reverse Isolation 28.0 dB
- Medium Noise Figure 4.5 dB.
- High Output Power +24.0 dBm.
- High Reliability
- Hermetic Package (Surface mount available)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		2	500	MHz.
Gain	13.5	12.0		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp.	0.6			ΔdB.
Pout @ 1dB. Comp.	+24.0	+22.0		dBm.
Noise Figure	2.0		3.5	dB.
Reverse Isolation	18.0			dB.
IP ₃ /IP ₂ (two-tone)*	34/44	30/40		dBm.
HIP2 (2 nd harm.)	48			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Req'd	+15/120		+15/130	v/mA.

Min. and max. values are from -55°C to +85°C

*IP3 and IP2 are in band output intercept points

Maximum Ratings

Storage Temperature -62°C to +125°C

DC Voltage +17 volts

RF Input Power +13.0 dBm.

Case Temperature +95°C

Typical Performance Curves

- - -55°C - - +25°C - - +85°C

