

ASC115

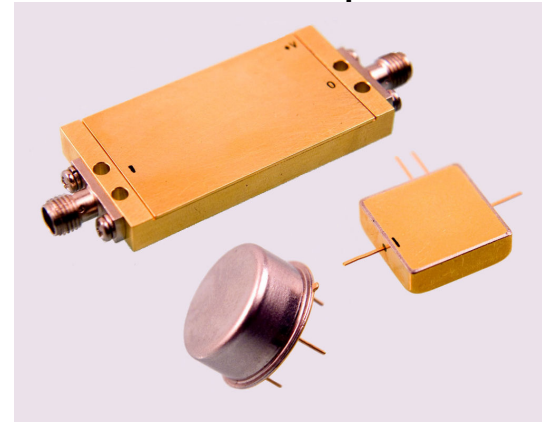
800-1000 MHz Cascadable Amplifier

Features: (typical values)

- Bandwidth800-1000 MHz.
- Noise Figure 1.5dB.
- Medium Gain32 dB.

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +14 volts
 RF Input Power +7.0 dBm.
 Case Temperature +100°C



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		800	1000	MHz.
Gain	32	30		dB.
Gain Flatness	±0.5		±0.8	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+20	+18		dBm.
Noise Figure	1.5		2.5	dB.
Reverse Isolation	40			dB.
IP ₃ /IP ₂ (two-tone)*	30/38			dBm.
HIP2 (2 nd harm.)	45			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+12/115		+12/115	v/mA.

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

*IP3 and IP2 are in band output intercept points

