

ASC108

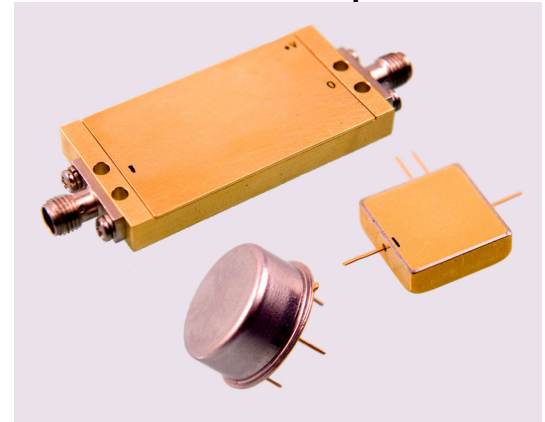
1800-2000 MHz Cascadable Amplifier

Features: (typical values)

- Bandwidth1.8-2.0 GHz.
- Noise Figure 0.9 dB.
- Medium Gain28.5 dB.

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 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		1800	2000	MHz.
Gain	28.5	26		dB.
Gain Flatness	±0.5		±0.8	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+26	+25		dBm.
Noise Figure	0.9		2.0	dB.
Reverse Isolation	40			dB.
IP ₃ /IP ₂ (two-tone)*	35/44			dBm.
HIP2 (2 nd harm.)	50			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/250		+15/270	v/mA.

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

*IP3 and IP2 are in band output intercept points

