

ASC800C

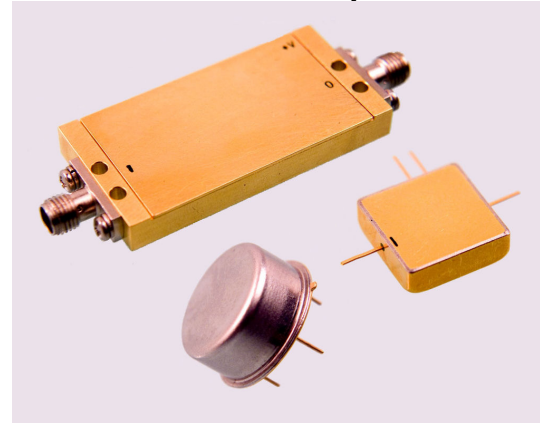
Features: (typical values)

- Wide Band20-500 MHz.
- Noise Figure 1.6 dB.
- High Gain 60 dB.

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +0.0 dBm.
 Case Temperature +100°C

20-500 MHz Cascadable Amplifier



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	500	MHz.
Gain	60	57		dB.
Gain Flatness	±0.5		±1.5	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+27	+25		dBm.
Noise Figure	1.6		2.5	dB.
Reverse Isolation	70			dB.
IP ₃ /IP ₂ (two-tone)*	40/44	35/40		dBm.
HIP2 (2 nd harm.)	50			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/450		+15/480	v/mA.

Min. and max. values are from -55°C to +85°C
 *IP₃ and IP₂ are in band output intercept points

