

ASC803C

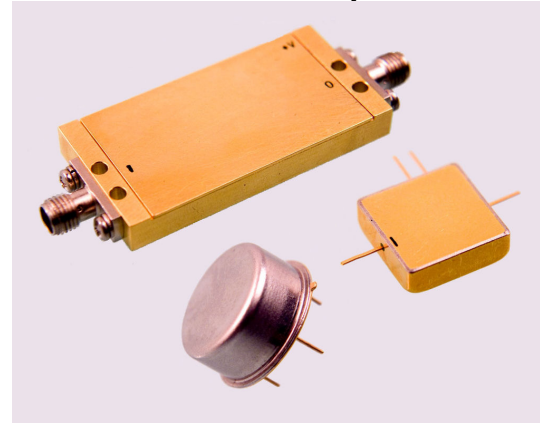
Features: (typical values)

- Wide Band500-2000 MHz.
- Noise Figure 2.5 dB.
- High Gain 35 dB.

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +7.0 dBm.
 Case Temperature +100°C

500-2000 MHz Cascadable Amplifier



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		500	2000	MHz.
Gain	35	33		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+29	+27		dBm.
Noise Figure	2.5		3.5	dB.
Reverse Isolation	45			dB.
IP ₃ /IP ₂ (two-tone)*	42/65	38/60		dBm.
HIP2 (2 nd harm.)	70			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/900		+15/940	v/mA.

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

