

ASC803C

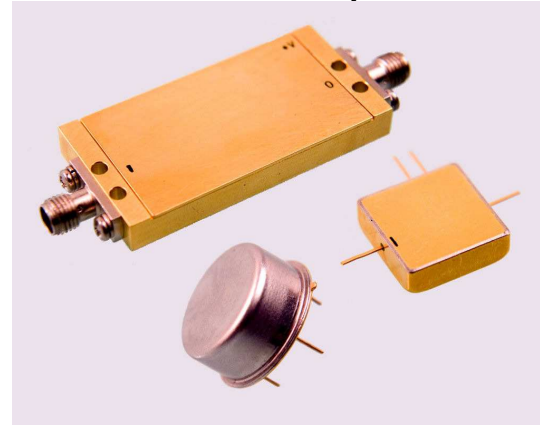
Features: (typical values)

- 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

