

ASC807C

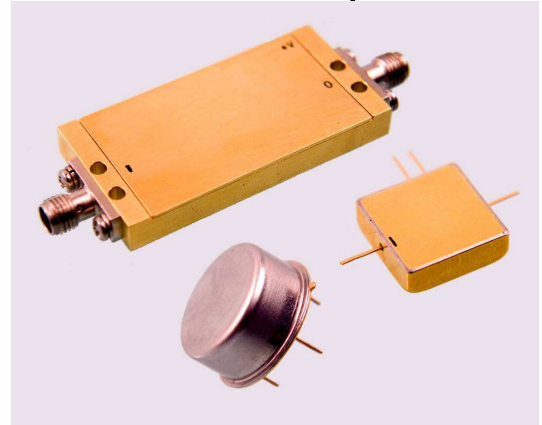
Features: (typical values)

- Wide Band400-2500 MHz.
- Noise Figure 2.2 dB.
- High Gain 42 dB.

Maximum Ratings

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

**400-2500 MHz
 Cascadable Amplifier**



Specifications (Referenced to 50 ohms)

| Parameter | Typical Conditions | Min Value | Max Value | Units |
|--|--------------------|-----------|-----------|-------|
| Frequency | | 400 | 2500 | MHz. |
| Gain | 35 | 33 | | dB. |
| Gain Flatness | ±0.5 | | ±1.0 | dB. |
| Gain Var. over temp | 0.6 | | | ΔdB. |
| Pout @ 1dB Comp | +26 | +25 | | dBm. |
| Noise Figure | 2.2 | | 4.0 | dB. |
| Reverse Isolation | 60 | | | dB. |
| IP ₃ /IP ₂ (two-tone)* | 40/60 | 37/50 | | dBm. |
| HIP2 (2 nd harm.) | 65 | | | dBm. |
| VSWR In/Out | 1.5:1 | | 1.8:1 | |
| Supply Required | +12/400 | | +12/450 | v/mA. |

Min. and max. values are from 0°C to +85°C
 *IP₃ and IP₂ are in band output intercept points

