

ASC802C

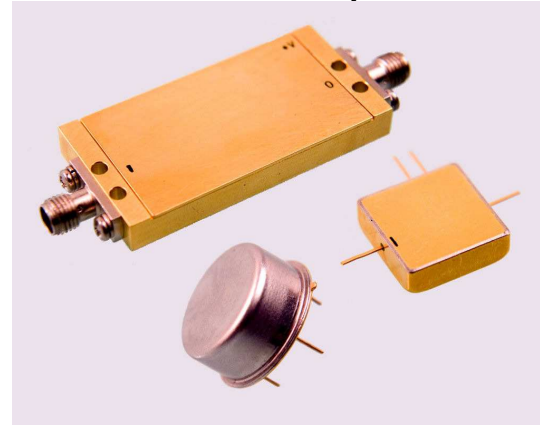
Features: (typical values)

- Wide Band500-2700 MHz.
- Noise Figure 2.2 dB.
- High Gain 33 dB.

Maximum Ratings

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

**500-2700 MHz
 Cascadable Amplifier**



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		500	2700	MHz.
Gain	33	31.0		dB.
Gain Flatness	±0.3		±1.5	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+25	+23		dBm.
Noise Figure	2.2		3.0	dB.
Reverse Isolation	40			dB.
IP ₃ /IP ₂ (two-tone)*	37/50	35/45		dBm.
HIP2 (2 nd harm.)	50			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/330		+15/400	v/mA.

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

