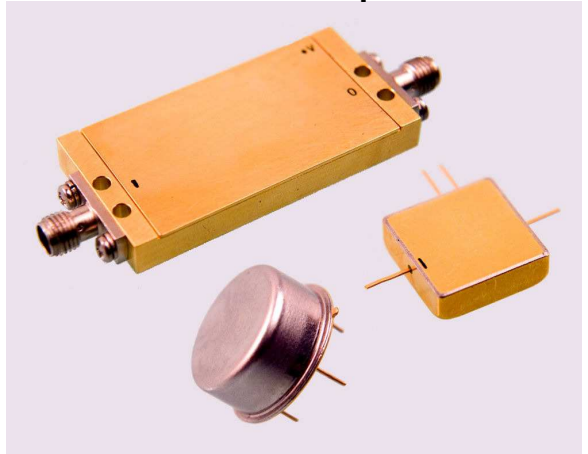


ASC231C

20-3000 MHz Wideband Amplifier



Features: (typical values)

- Wideband 20-3000 MHz
- High Second Order IP2 +55.0 dBm.
- High Third Order IP3 +40.0 dBm.
- Moderate Gain.....+16 dB
- Moderate Noise+ 8.0 dB

Maximum Ratings

- Storage Temperature -55°C to +125°C
- DC Voltage +17 volts
- RF Input Power +15.0 dBm.
- Case Temperature +95°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency	20/3000	20	3000	MHz.
Gain	16	14		dB.
Gain Flatness	±0.3		±1.0	dB.
Gain Var. over temp.	0.5			ΔdB.
Pout @ 1dB Comp	+25	+23		dBm.
Noise Figure 20-100 MHz/ 100-3000 MHz	8.0/5.0		10.0 / 6.0	dB.
Reverse Isolation	30			dB.
IP ₃ /IP ₂ (two tone)*	40/55	35/45		dBm.
HIP2 (2 nd harm.)	60			dBm.
VSWR In/Out	1.5:1		2.0:1	Ratio
Supply Required	+15/350		+15V/400	v/mA

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

