

ASC3131

5-500 MHz RF Amplifier

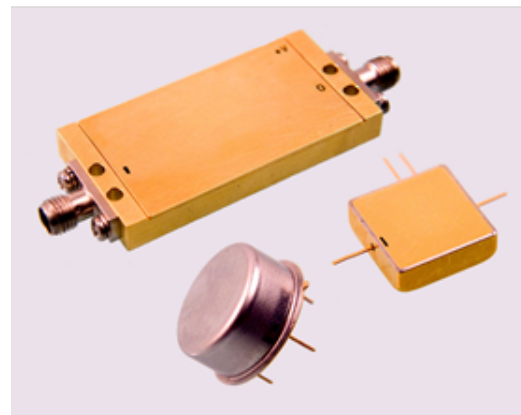
Features: (typical values)

- High P1dB..... +22 dBm
- Noise Figure 5.5 dB.
- High IP3 +37 dBm
- No external components required

Maximum Ratings

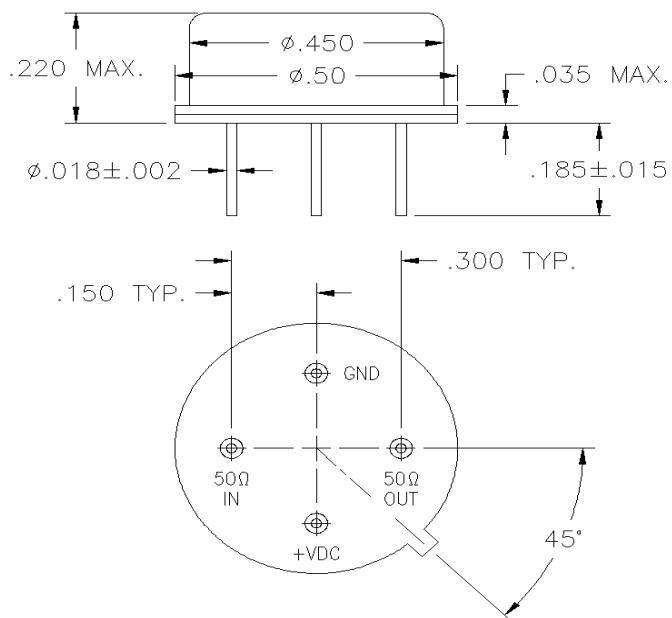
Storage Temperature -62°C to +125°C
 DC Voltage +18 volts
 RF Input Power +20 dBm.
 Case Temperature +125°C

Specifications (Referenced to 50 ohms)



Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		5	500	MHz.
Gain	11.5	10.0		dB.
Gain Flatness	±0.5			dB.
Pout @ 1dB Comp	+22	+20.0		dBm.
Noise Figure	5.5		7.0	dB.
Reverse Isolation	-15			dB.
IP ₃ (two-tone)*	+37			dBm.
VSWR In/Out	1.5/1.5:1		2.0/2.0:1	
Supply Required	+15/90		+15/98	v/mA.

Min. and max. values are from -55°C to +85°C



FUNCTIONAL BLOCK DIAGRAM

