

ASC2751

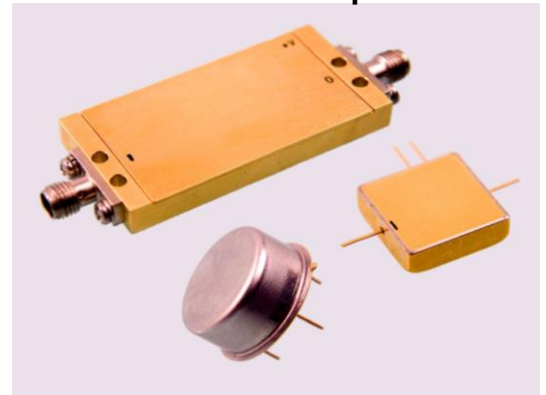
Features: (typical values)

- Wide Band 10-500 MHz.
- Noise Figure 4.5 dB.
- Med Gain 10.3 dB.
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +10.0 dBm.
 Case Temperature +100°C

10-500 MHz Cascadable Amplifier

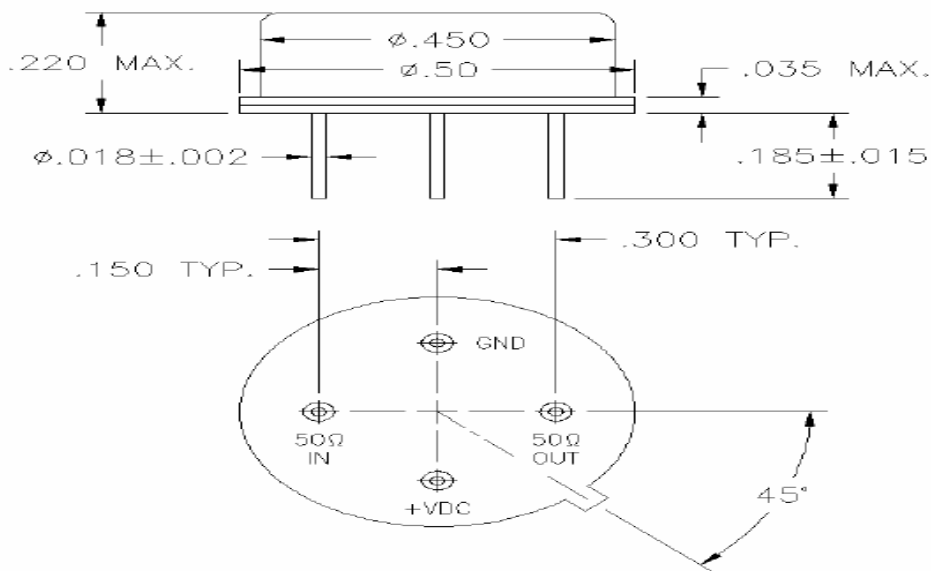


Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	500	MHz.
Gain	10.3	9.8	10.8	dB.
Gain Flatness	0.6		1.0	dB. p-p
Gain Var. over temp	0.6		+0.5/-1.0	dB.
Pout @ 1dB Comp	+16	+14.5		dBm.
Noise Figure	4.5		4.9	dB.
Reverse Isolation	25	24		dB.
IP ₃ /IP ₂ (two-tone)*	29/45	28/44		dBm.
VSWR In/Out	1.5:1		1.6:1	
Supply Required	+15/57		+15/60	v/mA.

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

*IP₃ and IP₂ are in band output intercept points



FUNCTIONAL BLOCK DIAGRAM

