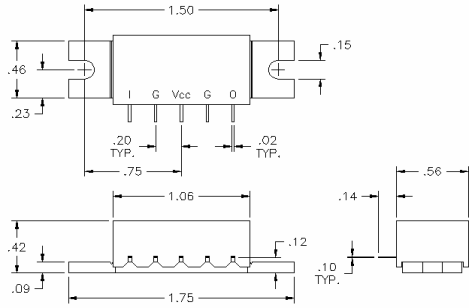


ASC106

800-960 MHz.

Typical Performance Curves

- ■ -0°C -◆- +25°C -▲- +85°C



Pin 1=RF, Pin 2=Ground, Pin 3=DC, Pin 4=Ground, Pin 5=RF Out

Features: (typical values)

- High Gain31.0 dB.
- Ultra Low Noise Figure0.9 dB.
- Excellent Third Order IP345.0 dBm.
- Low Cost

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		800	960	MHz.
Gain	31.0	29.0		dB.
Gain Flatness	±0.2		±0.5	dB.
Gain Var. over temp.	1.5			P/PΔdB.
Pout @ 1dB. Comp.	+27.5	+25.0		dBm.
Noise Figure	0.9		1.6	dB.
Reverse Isolation	45.0			dB.
IP ₃ / IP ₂ (two-tone)*	45	40		dBm.
HIP2 (2 nd harm.)	58	54		dBm.
VSWR In/Out	1.4:1		1.8:1	
Supply Req'd	+15/200		+15/250	v/mA.

Min. and max. values are from 0 to +85°C

* +15 dBm. 2 tone signal

Maximum Ratings

- Storage Temperature -40°C to +125°C
- DC Voltage +17 volts
- RF Input Power +25 dBm.
- Case Temperature +95°C

