

Features: (typical values)

- Low Noise Figure +2.0 dB.
- High Output Power +33.0 dBm.
- High Dynamic Range
- Low cost

Maximum Ratings

Storage Temperature -40°C to +85°C
 DC Voltage +12 volts
 RF Input Power +13.0 dBm.
 Case Temperature +95°C

1800-2000 MHz PCS Amplifier

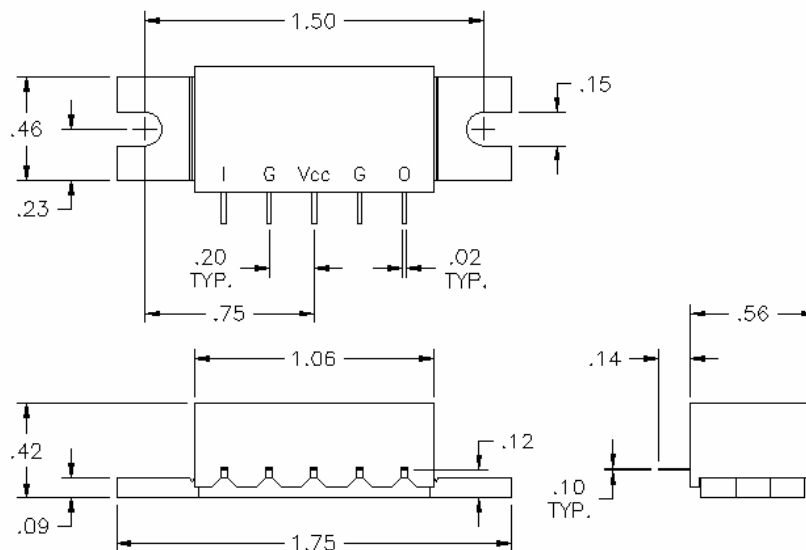


Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1800	2000	MHz.
Gain	22.0	20.0		dB.
Gain Flatness	±0.3		±0.5	dB.
Gain Var. over temp	1.7			ΔdB.
Pout @ 1dB Comp	+33.0	+32.0		dBm.
Noise Figure	2.0		3.0	dB.
Reverse Isolation	25			dB.
IP ₃ (two-tone)*	49	45		dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+10/900		+10/1000	v/mA.

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

*IP₃ is an in band output intercept point @ +20 dBm., 2 tone signal



Typical Performance Curves @ 25°C

■ - 0°C ◆ - +25°C ▲ - +85°C

