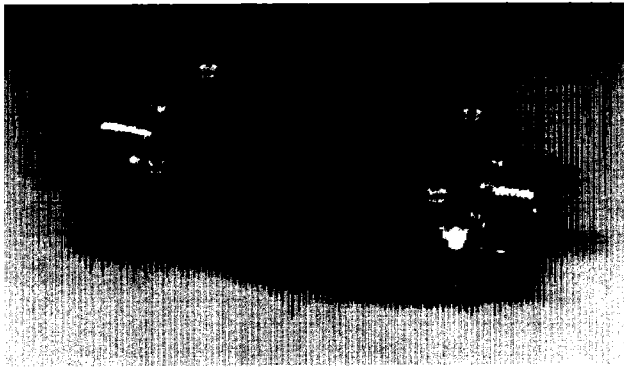


PA986C

1200-1600 MHz. Low Noise Amplifier



See Short Form Chart and Mechanical Section for available outline drawings.

Features: (typical values)

- High Gain 38.0 dB.
- Ultra Low Noise Figure 1.2 dB.
- SMA Connectorized Package

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1200	1600	MHz.
Gain	38	35		dB.
Gain Flatness	±0.3		±0.7	dB.
Gain Var. over temp.	0.5			ΔdB.
Pout @ 1dB. comp.	+10	+7		dBm.
Noise Figure	1.2		1.6	dB.
Reverse Isolation	55			dB.
IP ₃ /IP ₂ (two-tone) *	21/31			dBm.
HIP ₂ (2nd harm.)	36			dBm.
VSWR In/Out	1.5:1		2.0:1	
Supply Req'd	+15/75		+15/80	v/mA.

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

*IP₃ and IP₂ are in band output intercept points

Maximum Ratings

Storage temperature -62°C to +125°C
 DC voltage +17 volts
 RF input power +13.0 dBm.
 Case Temperature +100°C

Typical Performance Curves

■ -55°C ◆ +25°C ▲ +85°C

