

PA957 Series 5-100 MHz. Cascadable Amplifier



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

Features: (typical values)

- Low Noise Figure 1.6 dB.
- Medium Output Power..... 13.3 dBm.
- High Efficiency..... +15V/26 mA.
- High Reverse Isolation 40.0 dB.
- Hermetic Package (*Surface Mount available*)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		5	100	MHz.
Gain	22	21		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp.	0.9			ΔdB.
Pout @ 1dB. comp.	+13.3	+12.5		dBm.
Noise Figure	1.6		2.0	dB.
Reverse Isolation	40			dB.
IP ₃ /IP ₂ (two-tone) *	25/31	20/30		dBm.
HIP ₂ (2nd harm.)	38	35		dBm.
VSWR In/Out	1.4:1		2.0:1	
Supply Req'd	+15/26		+15/31	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 +125°C

Typical Performance Curves

■ -55°C ◆ +25°C ▲ +85°C

