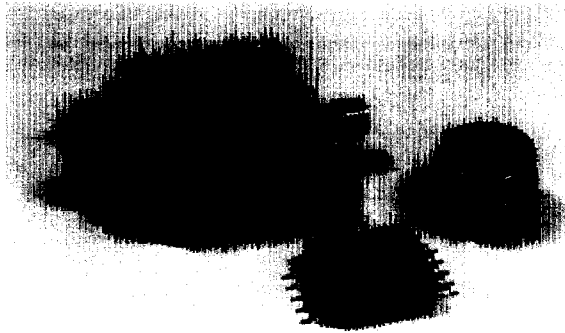


PA955 Series 10-1000 MHz. Cascadable Amplifier



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

Features: (typical values)

- High Gain 24.7 dB.
- High Output Power +21.0 dBm.
- Medium Noise Figure 4.8 dB.
- High Reliability
- Hermetic Package (*Surface Mount available*)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		10	1000	MHz.
Gain	24.7	23.0		dB.
Gain Flatness	±0.15		±1.0	dB.
Gain Var. over temp.	1.0			ΔdB.
Pout @ 1dB. comp.	+21.0	+20.0		dBm.
Noise Figure	4.8		6.5	dB.
Reverse Isolation	30.0			dB.
IP ₃ /IP ₂ (two-tone)*	30/40	28/38		dBm.
HIP ₂ (2nd harm.)	45.0	43.0		dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Req'd	+15/120		+15/130	v/mA.

Min. and max. values are from -55°C to +71°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 +71°C

Typical Performance Curves

■ -55°C ◆ +25°C ▲ +71°C

