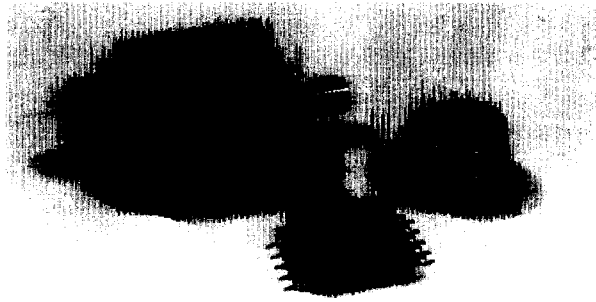


PA195 Series 1000-1200 MHz. Cascadable Amplifier



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

Features: (typical values)

- High Gain 25.0 dB.
- Ultra Low Noise 0.9 dB.
- Input ESD Protected **
- High Reliability
- Hermetic Package (*Surface Mount Available*)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1000	1200	MHz.
Gain	25	20		dB.
Gain Flatness	± 0.3		± 1.0	dB.
Gain Var. over temp.	1.0			ΔdB.
Pout @ 1dB. comp.	+ 12.5	+ 10		dBm.
Noise Figure	0.9		2.0	dB.
Reverse Isolation	24			dB.
IP ₃ /IP ₂ (two-tone)*	23/33	20/30		dBm.
HIP ₂ (2nd harm.)	38	35		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Req'd	+15/ 65		+15/ 70	v/mA.

Min. and max. values are from -55 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

**Input DC Short To Ground Via Tuning Inductor

Typical Performance Curves

■ -55°C ◆ +25°C ▲ +85°C

