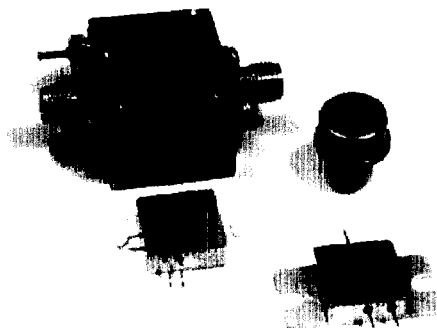


PA112 Series 5-1000 MHz. Cascadable Amplifier



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

Features: (typical values)

- Low Noise.....2.5 dB.
- Wide Bandwidth5-1000 MHz.
- High Reliability
- Hermetic Package (*Surface Mount available*)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		5	1000	MHz.
Gain	16.2	14		dB.
Gain Flatness	± 5		± 1.0	dB.
Gain Var. over temp.	0.9			Δ dB.
Pout @ 1dB. comp.	-1.0	-3.5		dBm.
Noise Figure	2.5		3.5	dB.
Reverse Isolation	19			dB.
IP ₃ /IP ₂ (two-tone) *	10/17	8/14		dBm.
HIP ₂ (2nd harm.)	20	16		dBm.
VSWR In/Out	1.5:1		2.0:1	
Supply Req'd	+15/9		+15/12	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

