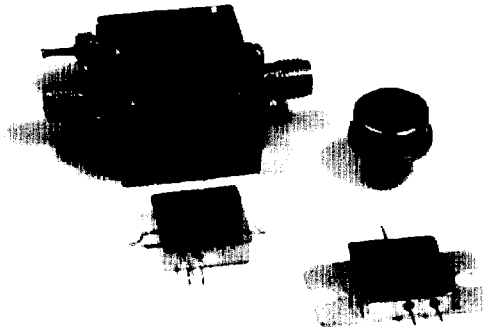


PLA101 Series 1000-1200 MHz. Limiting Amplifier



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

Features: (typical values)

- High Output Level..... +15.9 dBm.
- Good Even Order Suppression 19.0 dBc.
- High Reliability
- Hermetic Package (*Surface Mount available*)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1000	1200	MHz.
RF Input Range		8.0	14.0	dB.
Pout Var. over temp.	±0.2		±0.5	ΔdB.
Pout over Input Range	+15.9	+15.0	+17.0	dBm.
Noise Figure	6.0		10.0	dB.
2nd Harm.	19.0	10.0		dBc.
VSWR In/Out	1.8:1		2.0:1	
Supply Req'd	+15/150		+15/165	v/mA.

Min. and max. values are from -40°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 +20.0 dBm.
Case Temperature +95°C

Typical Performance Curves

—◆— +25°C

