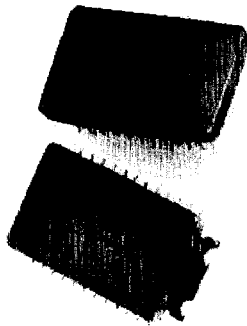


# PA1032 Series 800-960 MHz. Cascadable Amplifier



See short form chart and Mechanical Section for available outline drawings.  
Pin 2=RF In, Pin 11=+15v, Pin 14=RF Out, All others=Ground

## Features: (typical values)

- High Gain ..... 30.0 dB.
- Ultra Low Noise Figure ..... 0.9 dB.
- Excellent Third Order IP3 ..... 45.0 dBm.
- High Reliability
- Hermetic Package (*Surface Mount available*)

## Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		800	960	MHz.
Gain	30.0	28.5	32.5	dB.
Gain Flatness	± 0.2		± 0.5	dB.
Gain Var. over temp.	1.5			ΔdB.
Pout @ 1dB. comp.	+ 27.5	+ 26.0		dBm.
Noise Figure	0.9		1.4	dB.
Reverse Isolation	45.0			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone) *	45/51	40/45		dBm.
HIP2 (2nd harm.)	58	54		dBm.
VSWR In/Out	1.3:1		1.8:1	
Supply Req'd	+15/220		+15/250	v/mA.

Min. and max. values are from -55 to +85°C

\* +15 dBm. 2 tone signal

## Maximum Ratings

Storage temperature ..... -65°C to +125°C  
 DC voltage ..... +17 volts  
 RF input power ..... +25 dBm.  
 Case Temperature ..... +95°C

## Typical Performance Curves

■ -55°C    ◆ +25°C    ▲ +85°C

