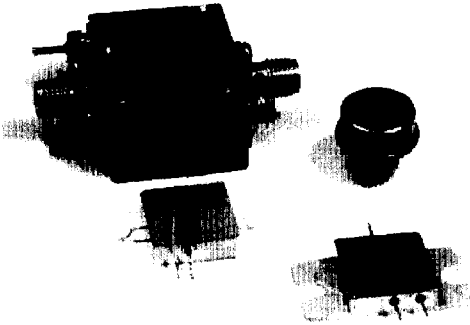


PA670 Series 10-800 MHz. Cascadable Amplifier



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

Features: (typical values)

- High Efficiency.... +15.5 dBm. Output @ 38 mA.
- Low Noise Figure 4.0 dB.
- High Reliability
- Hermetic Package (*Surface Mount Available*)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		10	800	MHz.
Gain	14.0	11.0		dB.
Gain Flatness	±0.3		±1.0	dB.
Gain Var. over temp.	1.6			ΔdB.
Pout @ 1dB. comp.	+15.5	+14		dBm.
Noise Figure	4.0		5.0	dB.
Reverse Isolation	17			dB.
IP ₃ /IP ₂ (two-tone)*	28/38	24/34		dBm.
HIP ₂ (2nd harm.)	45	40		dBm.
VSWR In/Out	1.6:1		2.0:1	
Supply Req'd	+15/32		+15/45	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

