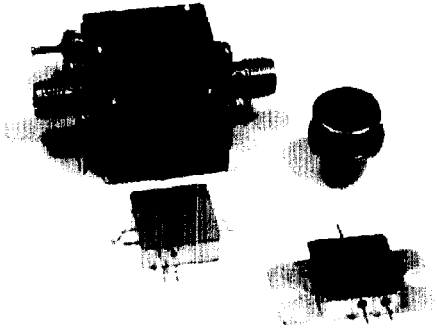


PA650 Series 10-1000 MHz. Cascadable Amplifier



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

Features: (typical values)

- Wide Bandwidth 10-1000 MHz.
- Low Current 35 mA.
- High Reliability
- Hermetic Package (*Surface Mount available*)

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		10	1000	MHz.
Gain	10.5	9.0		dB.
Gain Flatness	<±0.3		±0.8	dB.
Gain Var. over temp.	1.0			ΔdB.
Pout @ 1dB. comp.	+10.0	+8.0		dBm.
Noise Figure	6.0		8.0	dB.
Reverse Isolation	18			dB.
IP ₃ /IP ₂ (two-tone) *	24/36	18/28		dBm.
HIP ₂ (2nd harm.)	42	33		dBm.
VSWR In/Out	<1.7:1		2.0:1	
Supply Req'd	+15/35		+15/40	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 +18 volts
 RF input power +13.0 dBm.
 Case Temperature +125°C

Typical Performance Curves

■ -55°C ◆ +25°C ▲ +85°C

