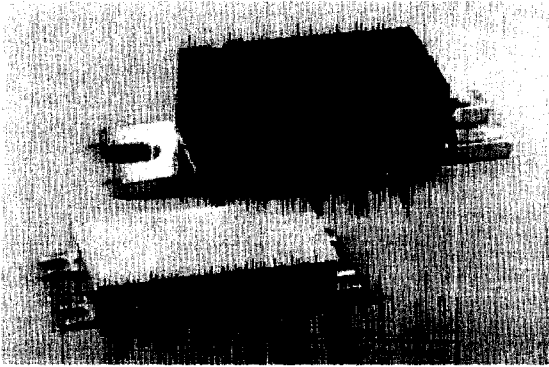


PA1041 Series 5-550 MHz. Push-Pull Amplifier



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

Features: (typical values)

- High Second Order IP2 +60.0 dBm.
- Low Noise 3.1 dB.
- High Reliability
- Available in Negative Supply and/or 75Ω Impedence
- Military or Commercial Package Available

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		5	550	MHz.
Gain	16.0	15.0	18.0	dB.
Gain Flatness	±0.3		±0.6	dB.
Gain Var. over temp.	0.7			ΔdB.
Pout @ 1dB. comp.	+10.0	+9.0		dBm.
Noise Figure	3.1		4.5	dB.
Reverse Isolation	19.0			dB.
IP ₃ /IP ₂ (two-tone) *	24/60	20/50		dBm.
HIP2 (2nd harm.)	66.0	54.0		dBm.
VSWR In/Out	1.4:1		2.0:1	
Supply Req'd	+15/45		+15/60	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 +15.0 dBm.
 Case Temperature +95°C

Typical Performance Curves

■ -55°C ◆ +25°C ▲ +85°C

