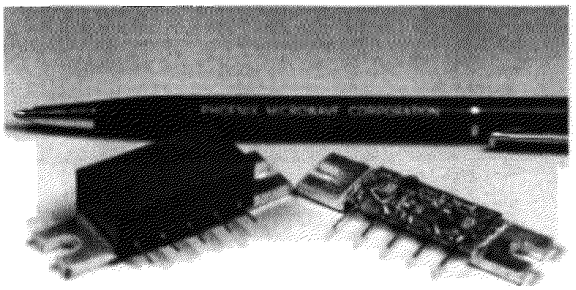
PA1066 800-960 MHz. Ultra Linear Amplifier

tyco / Electronics MACOM



See Short Form Chart and Mechanical Section for available outline drawings.
Pin 1=RF In, Pin 2=Ground, Pin 3=DC, Pin 4=Ground, Pin 5=RF Out

Features: (typical values)

- High Gain ..... 31.0 dB.
- Ultra Low Noise Figure ..... 0.9 dB.
- Excellent Third Order IP3 ..... 45.0 dBm.
- Low Cost

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		800	960	MHz.
Gain	31.0	29.0		dB.
Gain Flatness	± 0.2		± 0.5	dB.
Gain Var. over temp.	1.5			P/PΔdB.
Pout @ 1dB. comp.	+ 27.5	+ 25.0		dBm.
Noise Figure	0.9		1.6	dB.
Reverse Isolation	45.0			dB.
IP_3 (two-tone) *	45	40		dBm.
HIP2 (2nd harm.)	58	54		dBm.
VSWR In/Out	1.4:1		1.8:1	
Supply Req'd	+15/200		+15/250	v/mA.

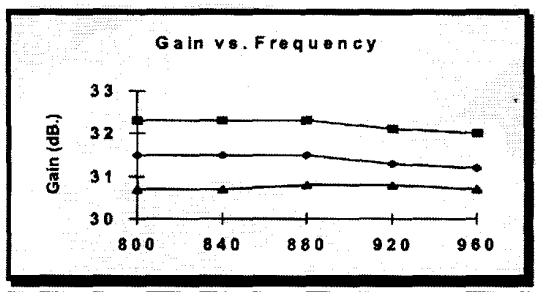
Min. and max. values are from -0 to +85°C
* +15 dBm. 2 tone signal

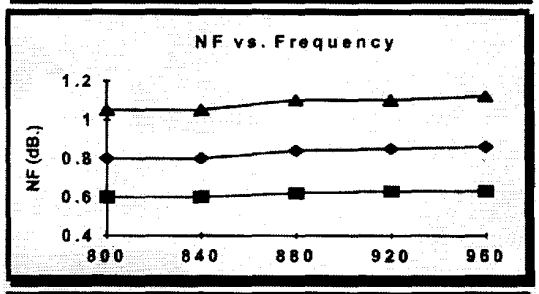
Maximum Ratings

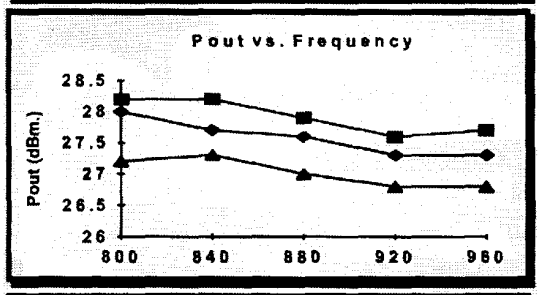
Storage temperature .....-40°C to +125°C
DC voltage ..... +17 volts
RF input power ..... +15 dBm.
Case Temperature .....+95°C

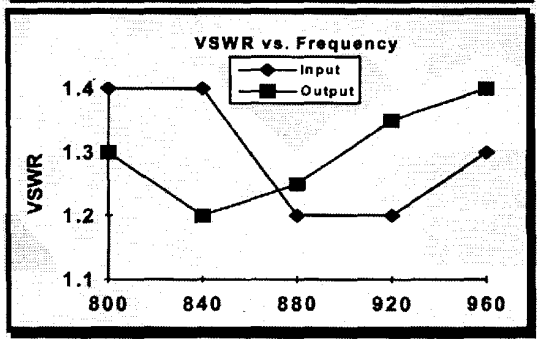
Typical Performance Curves

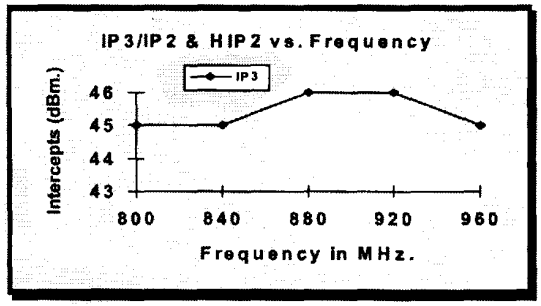
–■– -0°C –◆– +25°C –▲– +85°C











100 Emlen Way Tel.: (215) 723-6011
Telford, Pa. 18969 Fax.: (215) 723-6015