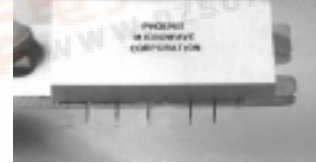


PA1151 1930-1990 MHz. PCS 4 Watt Ultra Linear Power Amplifier

tyco
Electronics

M/A-COM



Features (typical values)

High IP3 +54.0 dBm.
Low NF 2.4 dB.
High Output Power +36.8 dBm.
Low Cost

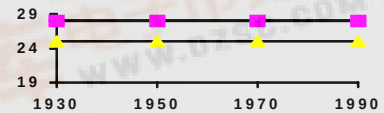
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1930	1990	MHz.
Gain	26.5	25.0		dB.
Gain Flatness	±0.5			dB.
Reverse Isolation	45			dB.
Pout @ 1dB. comp.	36.8	36.0		dBm.
Noise Figure	2.4		3.5	dB.
IP3	+54.0	+52.0		dBm.
VSWR	1.5:1/2:1		2.0:2.5:1	
Supply Req'd	+10/1350		+10/1700	v./mA.

IP3 measured with 2 tones @+22dBm. per tone
Min and max values from 0 to 85 degrees C
CDMA data available

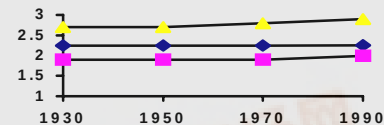
Typical Performance @

--◆-- +25°C --■-- -0°C --▲-- +85°C

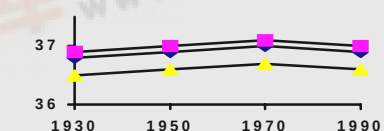
Gain vs. Frequency



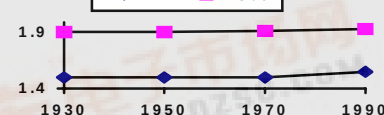
NF vs. Frequency



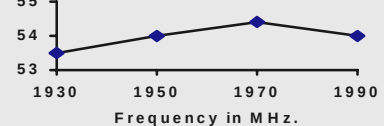
Pout vs. Frequency



VSWR vs. Frequency



IP3 vs. Frequency



Maximum Ratings

Storage Temperature -40°C to +125°C
DC Voltage +12 volts
RF Input Power +15 dBm.
Case Temperature +95°C

Outline Drawings

