

PA1163
4 Watt

1810-1870 MHz. PCS
Ultra Linear Power Am-

tyco
Electronics

M/A-COM



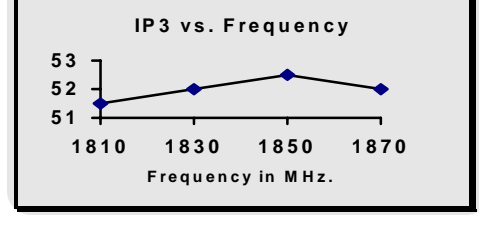
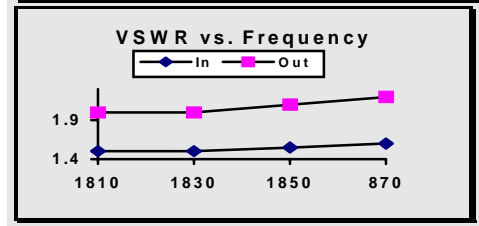
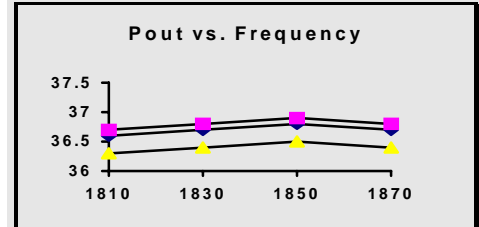
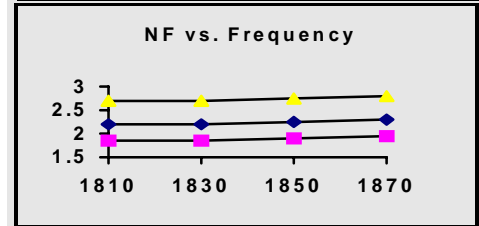
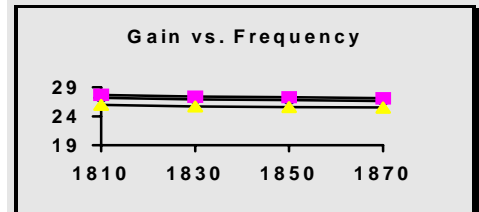
Features (typical values)

- High IP3** +52.0 dBm.
- Low NF** 2.4 dB.
- High Output Power** +36.5 dBm.
- Low Cost**

Typical Performance @

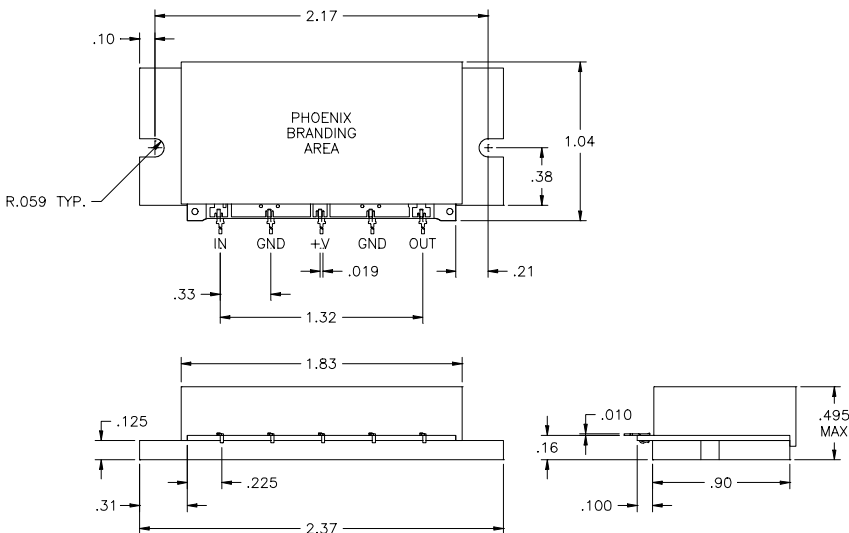
--◆-- +25°C --■-- -40°C --▲-- +85°C

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1810	1870	MHz.
Gain	27.0	25.5		dB.
Gain Flatness	±0.5			dB.
Reverse Isolation	45			dB.
Pout @ 1dB. comp.	36.5	36.0		dBm.
Noise Figure	2.4		3.5	dB.
IP3 (two tone)	+52.0	+50.0		dBm.
VSWR (Input/Out)	1.5:1/2:1		2.0:1/2.5:1	
Supply Req'd	+10/1350		+10/1500	v./mA.



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

Outline Drawings



Maximum Ratings

- Storage Temperature -40°C to +125°C
- DC Voltage +12 volts
- RF Input Power +28 dBm.
- Case Temperature +95°C