

# PA1133

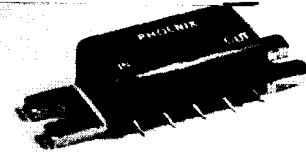
## 1850-1910 MHz.

### Linear Power Amplifier



#### Features (typical values)

- High Frequency Operation ..... 1910 MHz.
- Low Noise Figure ..... 1.0 dB.
- High IP3 ..... +44.0 dBm.
- Low Cost

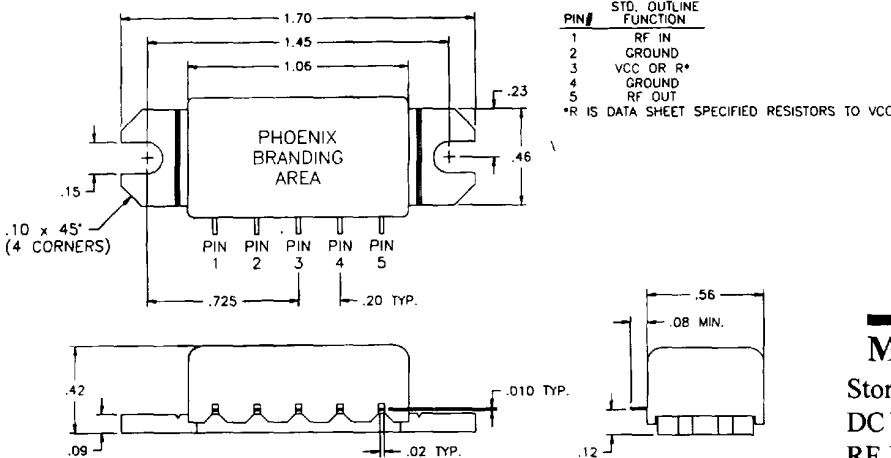


#### Electrical Specifications (Referenced to 50 ohms)

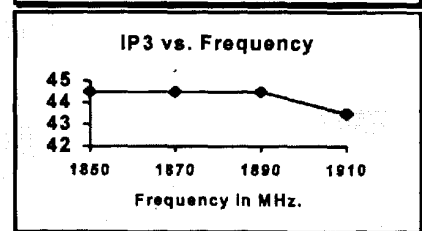
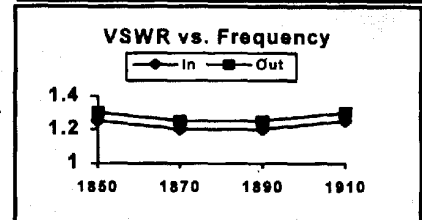
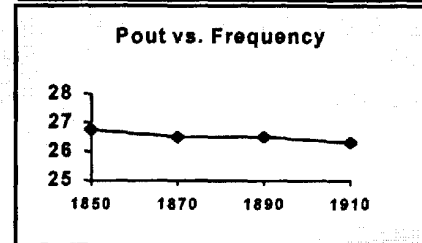
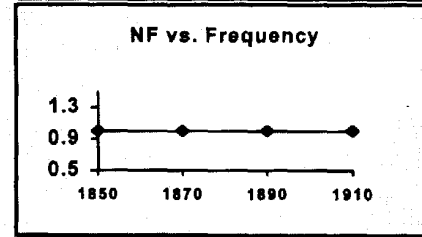
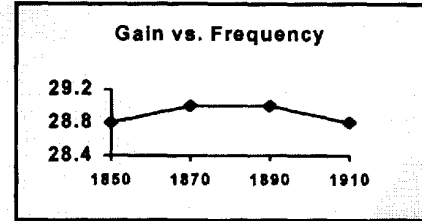
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1850	1910	MHz.
Gain	29.0	27.5		dB.
Gain Flatness	±0.2		±0.5	dB.
Reverse Isolation	35			dB.
Pout @ 1dB comp.	26.5	25.0		dBm.
Noise Figure	1.0		1.6	dB.
IP3	+44.0	+42.0		dBm.
VSWR	1.3:1		1.5:1	
Supply Req'd	+15/200		+15/250	v/mA.

IP3 measured with 2 tones @+15 dBm. per tone spaced 1 MHz. apart  
Min and max values from 0 to 85 degrees C

#### Outline Drawings



#### Typical Performance Curves



#### Maximum Ratings

- Storage Temperature ..... -40C to +85C
- DC Voltage ..... +17 volts
- RF Input Power ..... +15 dBm.
- Case Temperature ..... +95C