

JPA-1 1930-1990 MHz
10 Watt PCS Power Amplifier Module



Typical Performance @ 25C

Features (typical values)

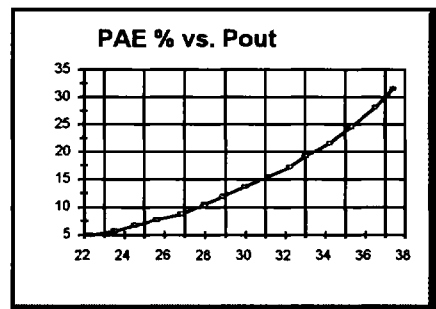
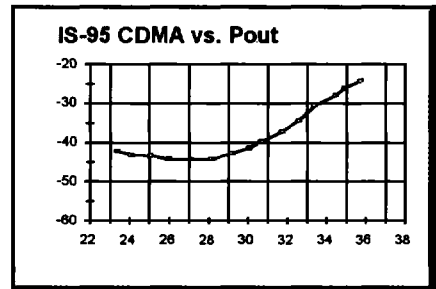
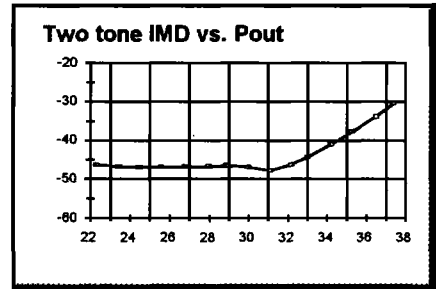
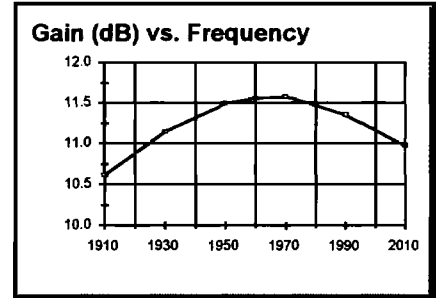
- High Output Power..... +40.0 dBm
- IS-95 CDMA (+30dBm,885KHz)..... -40 dBc*
- Class AB operation
- Temperature Compensated
- Gain Control Input
- 50 ohm Module

PRELIMINARY

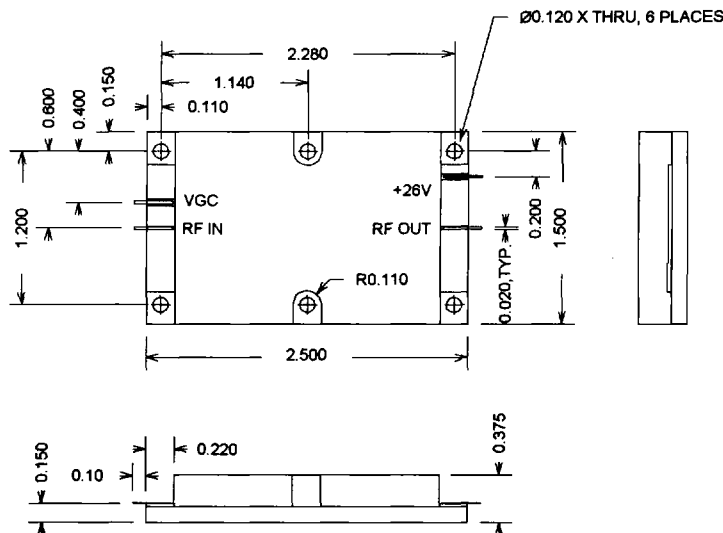
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		1930	1990	MHz
Gain	11.4	10.0		dB
Gain Flatness	± 0.14		± 0.25	dB
Phase Linearity	± 0.12		± 0.40	degrees
Pout @ 1dB comp.	+40			dBm
Two tone IMD @ 30 dBm F1=1959.5,F2=1960.5	-45.0			dBc
IS-95 CDMA @ 30 dBm ** 885KHz offset, RBW 30KHz	-40.0			dBc
VSWR (Input)	1.5 : 1		2.0 : 1	
Supply Voltage	26.0			volts
Quiescent Current	0.08			amps

* Data sheet values and performance curves do not include the -16.3dB normalized correction for a 30 kHz. Bandwidth.

** - PILOT, SYNC., PAGING, TRAFFIC CHANNELS 08 THRU 13; IS-95 LEVELS.



OUTLINE DRAWING



Maximum Ratings

- Storage Temperature..... -40C to +125C
- Operating Case Temperature.....-20C to +100C
- DC Voltage.....+27 volts
- RF Input Power.....+32 dBm
- Power dissipation.....50 watts