



ENVIRONMENTAL SPECIFICATIONS:

The X1059 conforms to MIL-E-5400

Vibration	- - - - -	10 g's to 2000 cps
Shock	- - - - -	15 g's (11 ± 1 msec)
Temperature	- - - - -	-54° C to +120° C
Altitude	- - - - -	70,000 Ft.

MECHANICAL SPECIFICATIONS:

Operating Position	- - - - -	Any
Input Coupling, rf	- - - - -	Type TNC Coaxial Fitting
Output Coupling, rf	- - - - -	Type TNC Coaxial Fitting
Focusing	- - - - -	PPM
Cooling	- - - - -	Passive Heat Sink
Dimensions	- - - - -	See Outline Drawing
Weight	- - - - -	4 Pounds
H. V. Leads	- - - - -	#22 AWG Teflon Ins. Flying Leads

APPLICATION NOTES:

ALL VOLTAGES ARE WITH RESPECT TO CATHODE.

COOLING: The X1059 is designed to be heat sink cooled. Under environmental conditions normally encountered in military equipments, additional cooling is not required.

FILAMENT: The heater voltage should be maintained within ±5% of the rated value of 6.3 volts if variations of performance are to be minimized and best tube life obtained.

CONTROL GRID: The control grid is a high mu control electrode. Normal operation is obtained at zero volts, eliminating the need for an additional control power supply. However, in pulse applications the grid may be used to gate the tube on and off.

SERRODYNE: The helix is isolated from the tube body allowing serrodyne operation for frequency translation applications. The cathode voltage should be maintained within ±1% to insure rated performance.

THIS DATA SHOULD NOT BE USED FOR FINAL EQUIPMENT DESIGN.

