



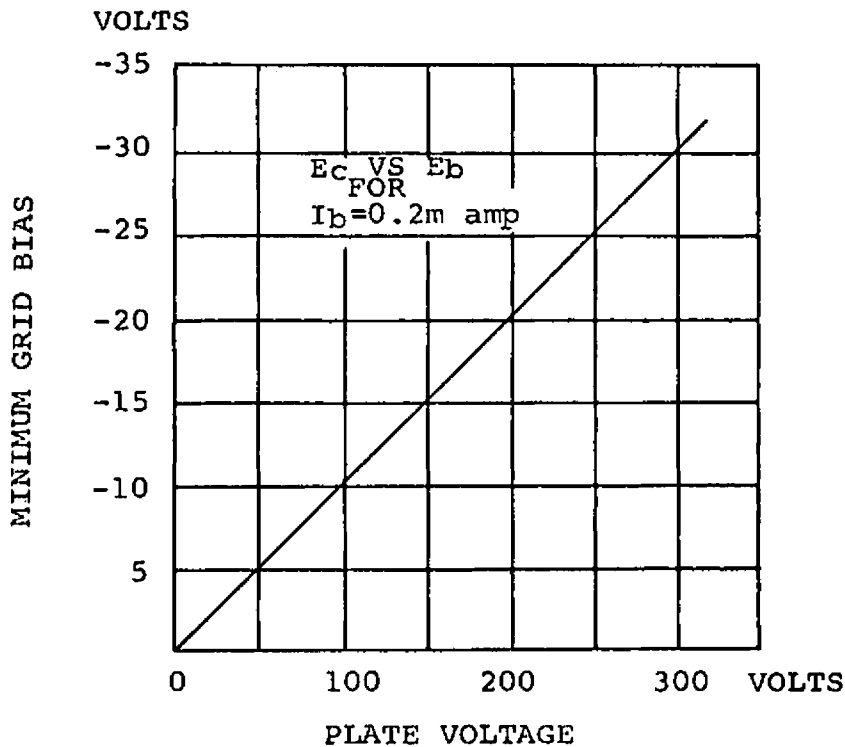
ELECTRICAL DATA-Cont'dMaximum Ratings-Design-Maximum System<sup>A</sup>

Plate to cathode voltage-Pulse amplitude <sup>B</sup>	330 volts
Spike amplitude <sup>B</sup>	1000 volts
Grid to cathode voltage - DC positive	0 volts
DC negative	100 volts
Peak positive	200 volts
Peak negative	200 volts
Plate dissipation - each plate	4.2 watts
both plates	7.5 watts
Grid dissipation - each grid	1.0 watts
Cathode current-see rating chart page 3	
Grid circuit resistance	1.1 megohm
Bulb temperature - at hottest point	225 °C
Altitude <sup>C</sup>	60,000 feet

Typical Operating Conditions and Characteristics

Pulse amplifier - each unit

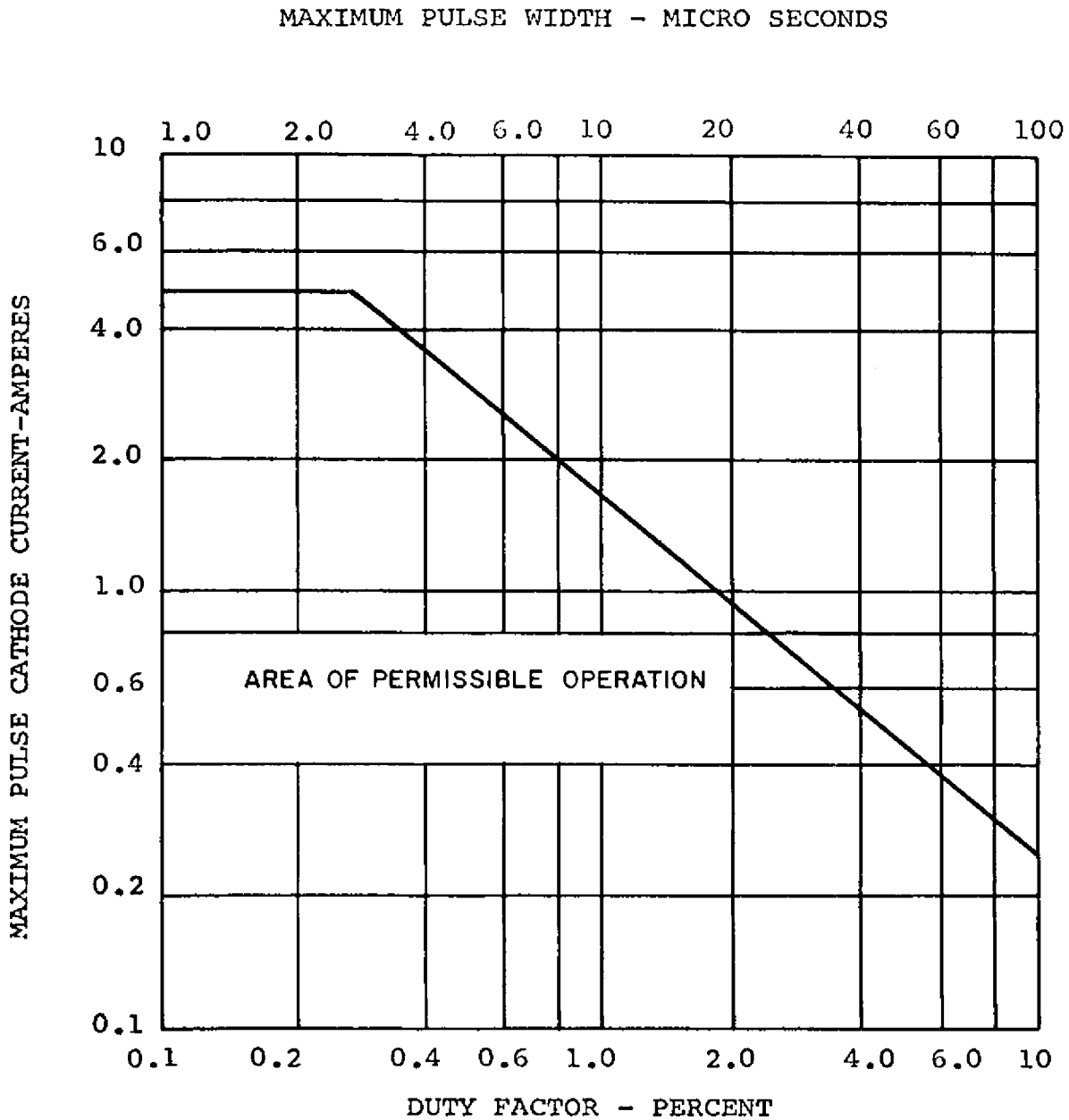
Plate voltage	+175 volts
Grid voltage	+175 volts
Peak cathode current	5.0 amps
Ratio plate current to grid current	1.5
Plate current cut-off - see curve below	



## Notes:

- Limiting values beyond which normal tube life and normal tube performance may be impaired.
- For definition of terms, refer to MIL-E-1D, paragraph 4.10.7.5.
- If altitude exceeds this rating, reduction of instantaneous voltages ( $E_f$  excluded) and dissipation may be necessary.

Pulse Rating Chart



This chart defines the "area of permissible operation" beyond which normal tube life and normal tube performance may be impaired. The manufacturer performs life tests at peak currents outside this area in order to assure satisfactory life performance within the "area of permissible operation".

This chart is applicable for operation when the duty factor does not exceed 10% and the pulse width does not exceed 100µs. Greater duty factors and longer pulse widths are in the region of Class A, B, and C operation for which this tube is not rated.