MECHANICAL DATA

Bulb ........................................ T-5 ½
Base ........................................... 7 Pin Miniature
Outline ...................................... See Drawing
Basing ........................................ See Drawing
Output Cathodes ............................... No. 0, 8, and 9
Zero Position ................................. No. 0 Cathode Aligned
Mounting Position ............................ Any

with Pin No. 5 ± 10°

ELECTRICAL DATA

INTERELECTRODE CAPACITANCES (Approx.)

Any Cathode to All Other Elements ............ 2.4 pf
Guide No. 2 to All Other Elements .............. 9.0 pf
Guide No. 1 to All Other Elements .............. 8.3 pf

RATINGS (Absolute Values)

Anode Supply Voltage¹ ................................ 400 800 Volts
Voltage Between Electrodes
(Other than Anode) ................................ — 140 Volts
Transfer Voltage .................................. 35 140 Volts
Anode Current ..................................... 0.6 0.8 Ma
Input Frequency ................................... 0 100 Kpps
Ambient Temperature .............................. −55 +60 °C

TYPICAL OPERATING CHARACTERISTICS

Anode Supply Voltage¹ ................................ 400 Volts
Nominal Tube Drop ................................ 235 Volts
Guide Bias ........................................ +45 Volts Min.
Square Double Pulse Drive Amplitude
(Each Pulse)² ..................................... −85 Volts Min.
Square Double Pulse Width (Each Pulse)² ........ 4 μSec. Min.
Forced Reset Pulse Amplitude ....................... −120 Volts Min.
Forced Reset Pulse Width ................................ 4 μSec. Min.
Cathode Load Resistor³ .............................. 50 K-Ohms Max.

NOTES:

1. A value for the anode resistor can be computed by subtracting the nominal tube drop from the supply voltage and dividing the remainder by the desired operating current.
2. Two separate pulses, back to back or with slight overlap, must be maintained.
3. The peak pulse output voltage can be determined by the IR drop across the chosen cathode resistor.
4. A counter tube brochure is available on request from Sylvania Electric Products Inc., 1100 Main Street, Buffalo 9, New York.