

JOINT ELECTRON TUBE ENGINEERING COUNCIL
ELECTRON TUBE TYPE
8257

J2-C1-5
 3-13-62

The 8257 is a two electrode gas filled cold cathode tube primarily for use in voltage regulator applications operating in the corona mode.

MAXIMUM RATINGS, Absolute Values

Maximum dc Cathode Current - Peak pulse	750 ua
Minimum dc Cathode Current	15 ua
Ambient Temperature Limits and/or Bulb Temperature Limits	-65°C to +125 °C

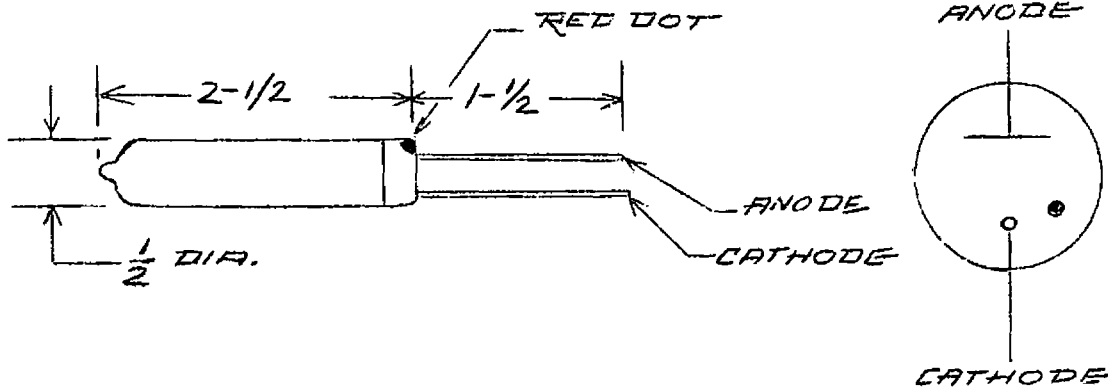
ELECTRICAL DATA THROUGHOUT LIFE

	<u>Minimum</u>	<u>Boqey</u>	<u>Maximum</u>
Anode Voltage Drop at 100 ua	1180	1200	1220 Volts
Anode Breakdown Voltage (1) in Darkness			1320 Volts
(2) in Light			1320 Volts
Regulation 15 to 600 ua			30 Volts
*Voltage Jump (Constant current, ___ ua)			Volts
Voltage Jump (Current Varied, ___ to ___ ua)			Volts
Temperature Coefficient of Voltage Drop (Note 3)		175	mV/°C
-65°C to +125°C Ambient			6 Volts
Repeatability Notes 1 and 2			

MECHANICAL DATA

Mounting Position	any
Net Weight, Maximum	.3

OUTLINE



BASING

RETMA Basing Designation - Lead with red dot - anode
 Remaining lead - cathode

- Note 1: Tube operated at 100 ua of current at 25°C ambient temperature.
- Note 2: Maximum change of Tube Voltage Drop, as measured before and after a seven-day non-operating hold period.
- Note 3: Tube operated at 100 ua.

*Primarily applicable to voltage reference types.