JOINT ELECTRON TUBE ENGINEERING COUNCIL
ELECTRON TUBE TYPE
8257

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

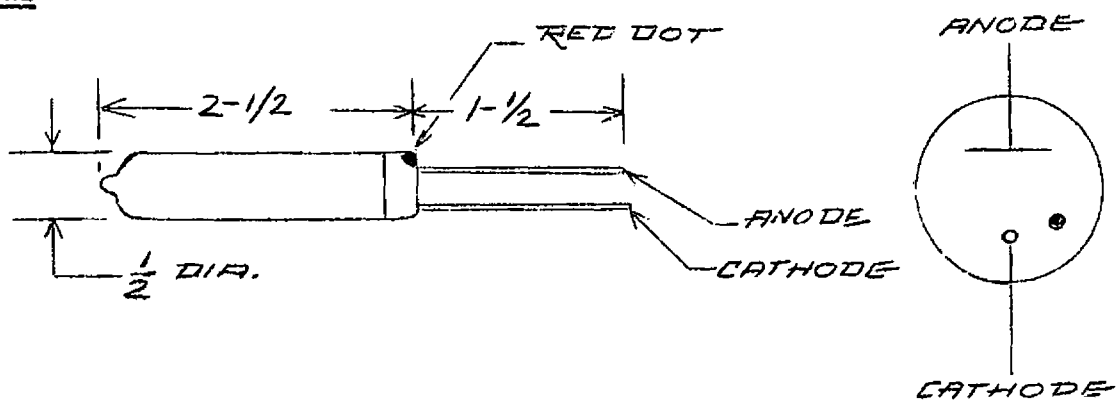
Maximum dc Cathode Current - Peak pulse	750 ua
Minimum dc Cathode Current	15 ua
Ambient Temperature Limits and/or Bulb Temperature Limits	-65°C to +125 °C

ELECTRICAL DATA THROUGHOUT LIFE	Minimum	Bogey	Maximum	
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.