

JOINT ELECTRON TUBE ENGINEERING COUNCIL  
ELECTRON TUBE TYPE  
8256

J2-C1-5  
 3-13-62

The 8256 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	1900 ua
Minimum dc Cathode Current	35 ua
Ambient Temperature Limits	-65 to + 125 °C
and/or Bulb Temperature Limits	

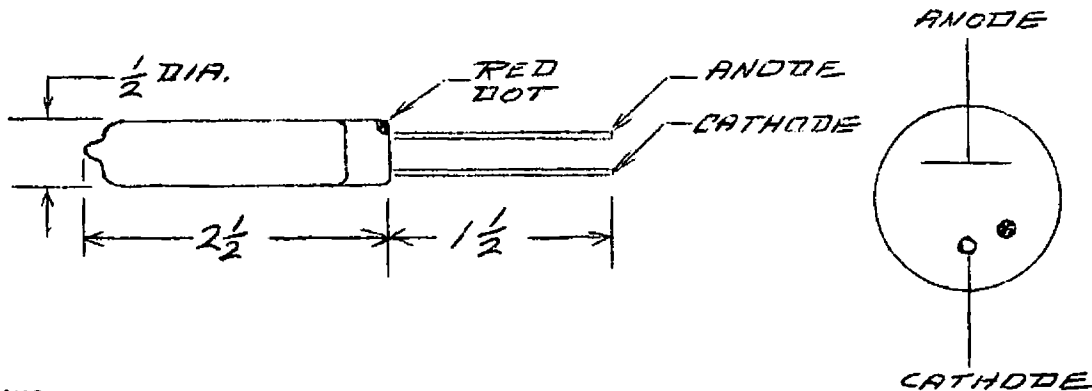
ELECTRICAL DATA Throughout Life

	<u>Minimum</u>	<u>Range</u>	<u>Maximum</u>
Anode Voltage Drop at 100 ua	3430	3500	3570 Volts
Anode Breakdown Voltage (1) in Darkness			3700 Volts
(2) in Light			3700 Volts
Regulation 35 to 700 ua			100 Volts
*Voltage Jump (Constant current, ___ua)			Volts
Voltage Jump (Current varied, ___to___ua)			Volts
Temperature Coefficient of Voltage Drop (Note 3)		280	mV/°C
-65°C to +125°C Ambient			
Repeatability Note 1 and 2			20 Volts

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 tube types.