JOINT ELECTRON TUBE ENGINEERING COUNCIL

ELECTRON TUBE TYPE 8515/GV5A-1600

The 8515 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 d.c. Cathode Current - peak pulse	950	ua
Minimum d.c. Cathode Current	20	ua
Ambient Temperature Limits and/or Bulb Temperature Limits	-65° to +125	°C

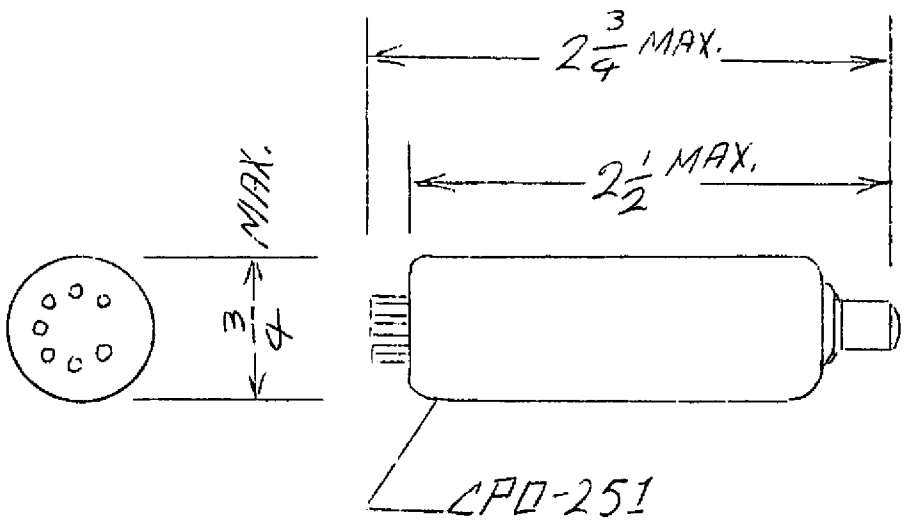
Electrical Data Throughout Life	Min.	Bogey	Max.	
Anode Voltage Drop at 100 ua	1560	1600	1640	Volts
Anode Breakdown Voltage (1) in Darkness			1800	Volts
(2) in Light			1800	Volts
Regulation 20 to 800 ua			42	Volts
Temperature Coefficient of Voltage Drop (Note 3) -65°C to +125°C Ambient		105		mV/°C
Repeatability Note 1 & 2			12	Volts

Mechanical Data

Mounting Position - any
Net Weight, Maximum - .5 oz.

Bulb	T $5\frac{1}{2}$
Base	E7-1
Top Cap	C1-3

Outline



Basing

Pin	1	2	3	4	5	6	7	Top Cap
	K	K	K	K	K	K	K	Anode

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.

from JEDEC release #4479, Nov. 4, 1963
sponsor: Victoreen Instrument Co.