

JOINT ELECTRON TUBE ENGINEERING COUNCILELECTRON TUBE TYPE 8514/GV5A-1000

The 8514 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

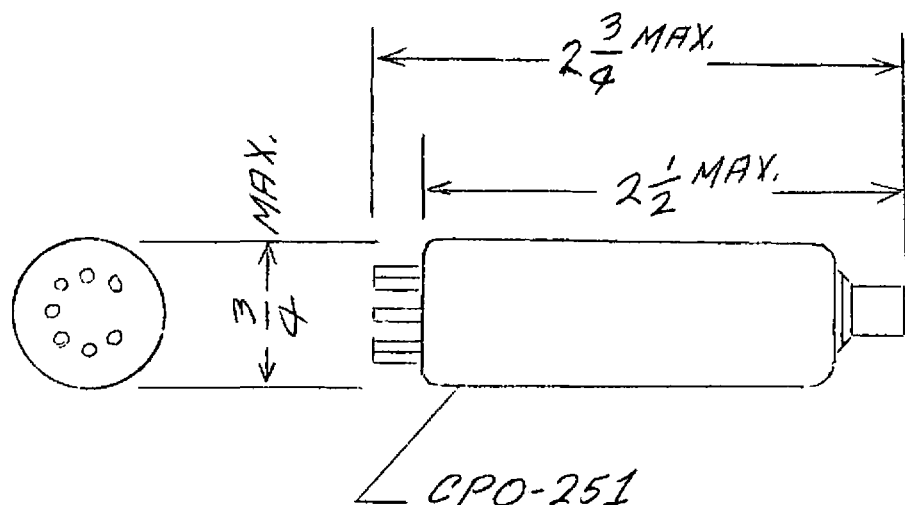
Maximum d.c. Cathode Current - peak pulse	800	ua
Minimum d.c. Cathode Current	10	ua
Ambient Temperature Limits	-65° to +125	°C
and/or Bulb Temperature Limits		

Electrical Data Throughout Life

	<u>Min.</u>	<u>Bogey</u>	<u>Max.</u>	
Anode Voltage Drop at 100 ua	975	1000	1025	Volts
Anode Breakdown Voltage (1) in Darkness			1200	Volts
(2) in Light			1200	Volts
Regulation 10 to 650 ua			20	Volts
Temperature Coefficient of Voltage Drop (Note 3)		80		mV/°C
-65 to +125° C Ambient				
Repeatability Note 1 & 2			10	Volts

Mechanical Data

Mounting Position, any	Bulb	T 5½
Net Weight, Maximum, .5 oz.	Base	E7-1
	Top Cap	C1-3

OutlineBasing

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.