

Primed Trigger Tube

GDT120 T

A high current inexpensive trigger tube with light diode suitable for operation in poor light conditions

Limit Ratings

Maximum anode voltage to prevent self-ignition in all tubes (trigger voltage 0 V)	400 V
Maximum trigger to cathode voltage at which breakdown will not occur in any tubes (anode voltage 315 V)	Cathode 0 V, Trigger +100 V Trigger 0 V, Cathode +80 V
Minimum trigger voltage necessary to cause breakdown in all tubes (anode voltage 315 V)	+155 V
Maximum cathode current (D.C.)	25 mA
Maximum cathode current (peak) max. duration 100 mS.	60 mA
Minimum cathode current	5 mA
Minimum supply voltage for priming diode	315 V

Characteristics

Anode running voltage at 25 mA (N.B.—Tubes may exhibit jumps of up to 20 V in operation at low currents)	94–130 V ←
Deionization time ($I_a = 25$ mA)	5 mS max. ←
Ionization time ($V_T = 175$ V pulse)	1 mS

Recommended Operating Conditions

Anode supply voltage	315 V
Cathode current	25 mA
Anode load resistor	8.2 k Ω
Trigger bias with respect to cathode (Trigger resistor 100 k Ω)	+80 V
Light anode to be connected via 10 M Ω to +315 V	
Light cathode to be connected via 10 M Ω to 0 V	

N.B. ← Indicates a change from previous data sheets.



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Mechanical Data

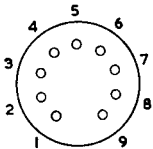
Mounting position

Any

Base

B9A

Base Connections
(underside view)



- 1 Anode
- 2 Do not connect
- 3 Trigger
- 4 } Cathode
- 5 }
- 6 Do not connect
- 7 Light cathode
- 8 Light anode
- 9 Anode

