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TUBE TYPE 6779

Cold cathode inert gas-filled tube with priming discharge and stable trigger striking characteristics. Primarily intended for use in timers and over-voltage protection equipment.

PHYSICAL SPECIFICATIONS

Base	Noval 9 pin
Bulb	Glass
Maximum overall length	1 25/32" (45mm)
Maximum bulb diameter	7/8" (22.2mm)

BASING CONNECTIONS (9EZ)

Pin 1	Plate	6	Priming plate
2	Internal connection	7	Cathode
3	Internal connection	8	Trigger
4	Cathode	9	Trigger
5	Cathode		

CHARACTERISTICS

Nominal trigger breakdown voltage	132 V
Plate working voltage range	170 to 290 V
Nominal maintaining voltage	105 V
Priming current range	2 to 25 μ A
Recommended priming discharge resistor	10 Ω egohm

LIMITING VALUES (Absolute)

Maximum plate voltage at which self-ignition will not occur in any tube	290 V
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Minimum triggering capacitance required to ensure breakdown with	
(a) +Va >160V	2,700 μ uf
(b) +Va >200V	1,000 μ uf

Maximum peak cathode current	25mA
Maximum average cathode current (averaging time 15 secs)	8.0mA
Maximum relay actuating current (max. duration 100 millesec)	60mA
Maximum peak trigger current	8.0mA
Minimum priming plate breakdown voltage	150 V

Trigger breakdown voltage range (approx.) 128 to 137 V

Maximum increase in trigger breakdown voltage when plate voltage is changed from 290V to 170V	1 %
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Stability of trigger ignition voltage during 2000 hours of life (approx.)	$\pm$ 1 %
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- With triggering capacities >4,700 μ uf a limiting resistor of 5,600 ohms is required to limit the peak trigger current.