Mullard Limited, Century House,
Shaftesbury Avenue, London, W.C.2., England

from JETEC release #1480, June 13, 1955

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 25µA
Recommended priming discharge resistor	10megohm

LIMITING VALUES (Absolute)

Maximum plate voltage at which self-ignition will not occur in any tube	290 V
Minimum triggering capacitance required to ensure breakdown with	
(a) +Va >160V	2,700 µµf
(b) +Va >200V	1,000 µµf
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 %
Stability of trigger ignition voltage during 2000 hours of life (approx.)	±1 %

● With triggering capacities >4,700µµf a limiting resistor of 5,600 ohms is required to limit the peak trigger current.