

TUBE TYPE 6538

MULLARD LIMITED
Century House,
Shaftesbury Avenue,
LONDON E. C. 2.
ENGLAND

The 6538 is a cold cathode inert gas-filled tube with priming discharge. Primarily intended for use in low current stabilizer circuits and also suitable for use in timers and protection equipment.

PHYSICAL SPECIFICATIONS

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

BASING CONNECTIONS

Pin 1 Auxiliary cathode
2 Plate
3 Internal connection
4 Auxiliary cathode
5 Trigger

BASING CONNECTIONS

Pin 6 Cathode
7 Cathode
8 Cathode
9 Trigger

CHARACTERISTICS AND RATINGS (Absolute values unless otherwise specified).

*Minimum plate to cathode breakdown voltage	285 volts
** ‡Maximum mean cathode current	2.5 mamps
‡Maximum peak cathode current	10 mamps
Maximum auxiliary cathode current	10 u amps
Nominal maintaining voltage at 2 mamps	110 volts
‡‡Trigger voltage for strike	141 to 151 volts

* $V_t = 100$ volts, $I_{aux} = 2$ to 4 microamps

** Averaged over any interval of 15 secs.

‡ The cathode current can be divided in any way between trigger and plate.

‡‡ $V_a = 260$ volts trigger resistance = 68 M Ω