

U.H.F. DIODE

EA52

Disc seal diode primarily intended for use as a measurements diode at frequencies up to 1000Mc/s.

HEATER

Suitable for series or parallel operation a.c. or d.c.

V_h	6.3	V
I_h	300	mA

The absolute maximum variation of heater voltage is $\pm 0.7V$

CAPACITANCE

C_{a-k}	< 0.5	pF
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CHARACTERISTICS

V_a ($I_a = 500\mu A$)	< 3.0	V
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INSULATION

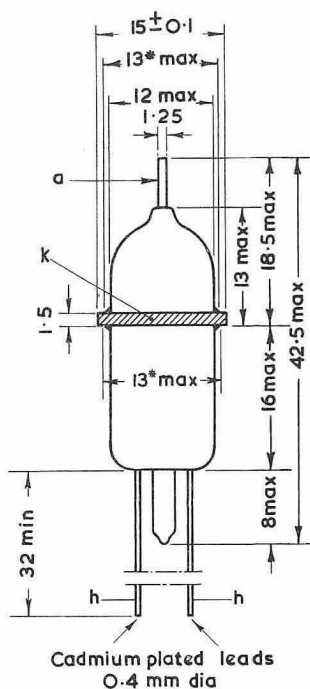
Insulation between anode and cathode	$> 10^4$	M Ω
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LIMITING VALUES (absolute ratings)

*P.I.V. max. ($f < 100Mc/s$)	1.0	kV
I_k max.	300	μA
$i_{k(pk)}$ max.	5.0	mA
V_{h-k} max.	50	V
R_{h-k} max.	20	k Ω

*At frequencies greater than 100 Mc/s, the maximum

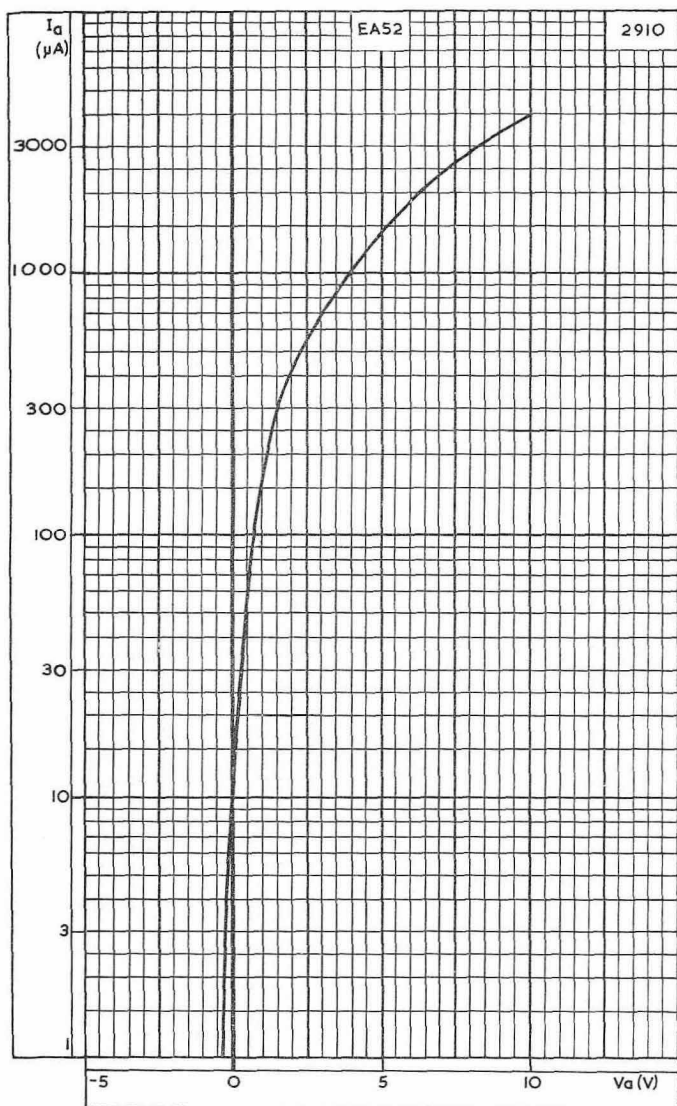
P.I.V. is $\frac{10^5}{f}$ V, where f is the frequency in Mc/s.



2922 All dimensions in mm

* Max diameter of the glass seal

Note.—Direct soldered connections to the leads of this valve must be at least 7mm from the seal and any bending of the valve leads must be at least 1.5mm from the seal.



ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE

