

# Rogers Electronic Tubes & Components

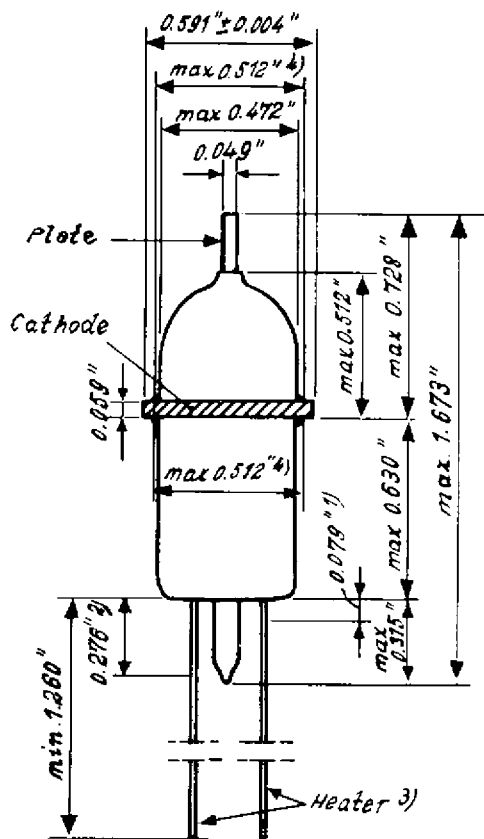
6925

Description: Measuring diode for frequencies up to 1000 Mc

Mechanical data

Cathode	coated, unipotential
Mounting position	any

Eccentricity of the plate pin with respect to the cathode connection 0.01" max. In order to avoid strain the connections to the cathode should be made elastically



- 1) This part of the leads should not be bent
- 2) This part of the leads should not be soldered
- 3) Cadmiated lead; diameter 0.0158"
- 4) Maximum diameter of the glass seal

Heater data

Heater voltage	6.3 volts
Heater current	300 mamps

Capacitance

Between plate and cathode	max. 0.5 $\mu\mu\text{F}$
---------------------------	---------------------------

Ratings (Absolute limits)

Peak inverse plate voltage at frequencies below 100 Mc	1000 volts max.
Peak inverse plate voltage at frequencies higher than 100 Mc	$\frac{100}{f}$ x 1000 volts max. <sup>5)</sup>
Cathode current	300 $\mu\text{amps}$ max.
Peak cathode current	5 mamps max.
Voltage between heater and cathode	50 volts max.
Circuit resistance between heater and cathode	20 000 ohms max.
Heater voltage	7.0 volts max.
Heater voltage	5.6 volts min.

Typical characteristics

Plate voltage at plate current = 0.5 mamps	3 volts max.
Insulation resistance between plate and cathode	10 000 megohms min.

---

<sup>5)</sup> f = frequency in Mc

