

MINISTRY OF SUPPLY (S.R.D.E.)

Specification: MOS/CV96/Issue 3

Dated:- 12.10.48.

To be read in conjunction with K1001  
ignoring clause 5.8SECURITYSpecificationValveRestrictedUnclassified

→ indicates a change

<u>TYPE OF VALVE:-</u> Power measurement lamp. <u>CATHODE:-</u> Tungsten <u>ENVELOPE:-</u> Glass - unmetallised <u>PROTOTYPE:-</u> R3/16	<u>MARKING</u>  See K1001/4 and Fig. 1	
<u>RATING</u>  Cold resistance (measured at 4 mA on CV95 test circuit) (ohms) "Just glowing" wattage dissipation (mW) Max. permissible operating wattage  Current when "just glowing" (mA) Voltage when "just glowing" (V) Resistance of "just glowing" filament (ohms) Resistance of filament at max. permissible operating wattage (ohms)	<u>Range</u>  2.0 - 8.0  13 - 22 Twice wattage dissipation when "just glowing". 29 - 54 0.35 - 0.56  7.0 - 12.0 11.5 - 15.5	<u>Direct Averages on Initial Samples</u>  3.5.  44 0.43  8.8 13.7
<u>NOTE</u>  A. It will be noted from these ratings that voltage and current limits are not both reached in any one lamp.	<u>DIMENSIONS AND CONNECTIONS</u>  See Fig. 1.	

TESTS

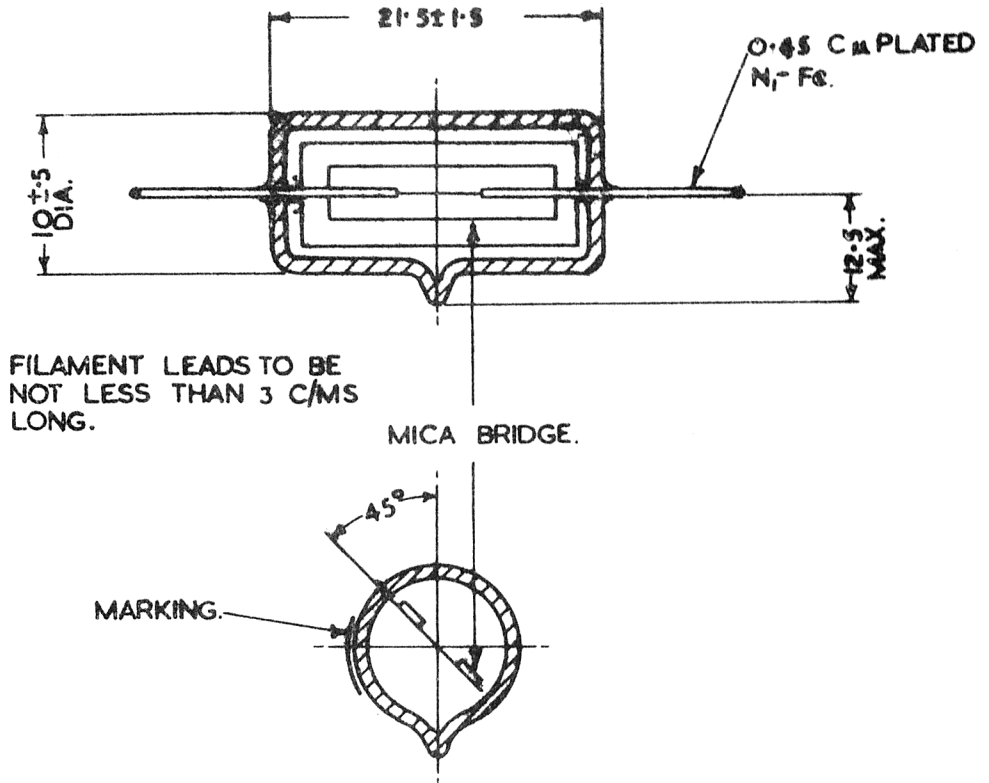
To be performed in addition to those applicable in K1001

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
a	Filament "just glowing" (Note 1)	Dissipation (mW)	13	22	100%

NOTE

1. The power measurement lamp to be enclosed in a light-tight box and viewed through a spy tube, under normal room lighting conditions.

FIG. 1.



ALL DIMENSIONS ARE IN MILLIMETRES.