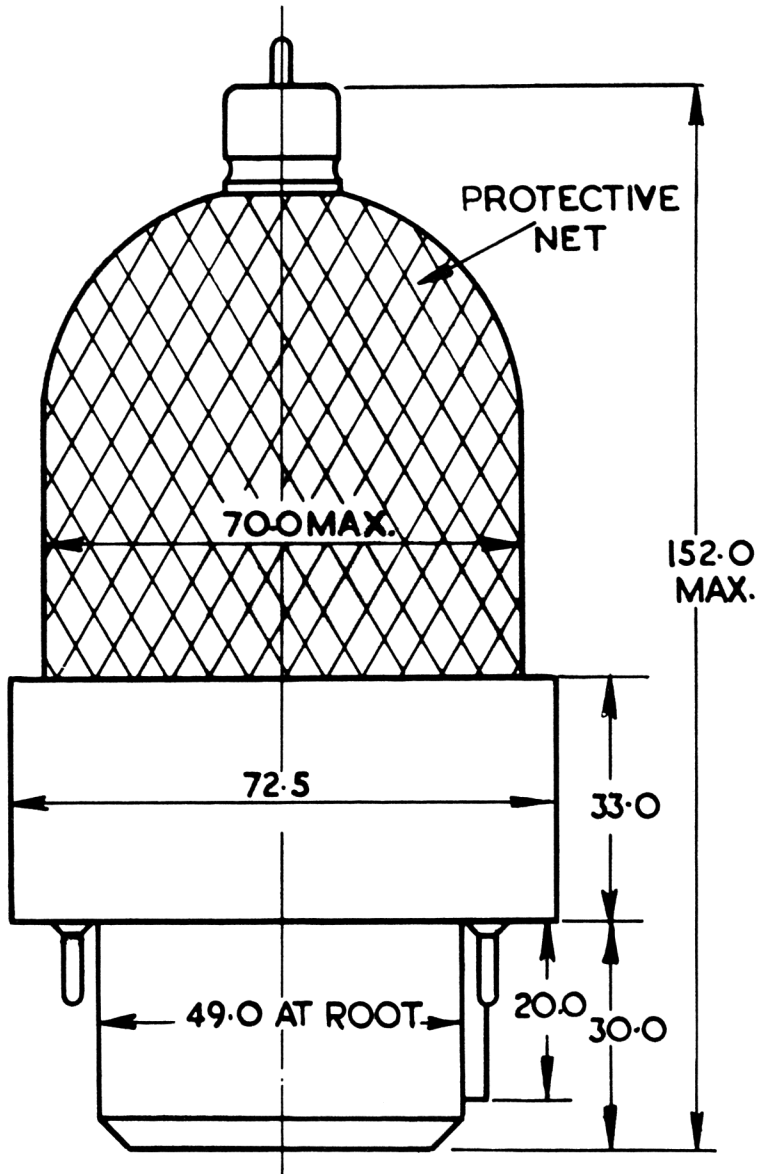


To be performed in addition to those applicable in K1001

	Test Conditions	Test	Limits		No. Tested	Note
			Min.	Max.		
a	Cathode Voltage = -6.0 kV max. Trigger voltage shall be derived from an approved pulse generator supplying a positive pulse of 10 kV \pm 10% on open-circuit at a repetition frequency of 800 pps and with a build-up time to max. voltage of 0.5 - 0.75 μ sec. The line shall have an impedance of 50 ohms and designed for a pulse length of 0.5 μ sec, and shall be charged through a choke of 180 H. The external load shall be matched to the line.	A spark shall occur which also delivers power to the load circuit.			100%	
b	Cathode Voltage = -10.2 kV Other conditions as in Test (a).	Trigger breakdown voltage (kV)	-	6.0	100%	
c	Cathode Voltage = -9.0 kV Other conditions as in Test (a).	1. Jitter (μ sec) (Total lateral movement of the trailing edge of the monitored pulse). 2. Fluctuations of amplitude.	-	0.2 $\pm 10\%$	100%	
d	Cathode Voltage = -11.2 kV Other conditions as in Test (a).	1. Jitter (μ sec) (Total lateral movement of the trailing edge of the monitored pulse). 2. Fluctuations of amplitude.	-	0.2 $\pm 10\%$	100%	
e	With the set-up as in Test (a), the cathode voltage shall be increased until unstable operation occurs.	Cathode Voltage at (kV) which irregular breakdown occurs at a rate of between 1-6 times per sec. (i.e. breakdown not correlated with the trigger pulse).	-14.0	-	100 or S.	

NOTE

1. Test (a) must be performed first in the test schedule.



DIMENSIONS IN MMS.