

Specification MOA/CV 6094 Issue 1 dated 28. 9. 61. To be used in conjunction with K1001	<u>SECURITY</u> <u>Specification</u> <u>Valve</u> Unclassified      Unclassified
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indicates a change

TYPE OF VALVE - Voltage Indicator	<u>MARKING</u> See K1001/4
CATHODE - Directly heated	<u>BASE</u> Special Subminiature
ENVELOPE - Glass unmetallised	
PROTOTYPE - DM160	
<u>RATING</u> All limiting values are absolute	<u>MOUNTING POSITION</u> Any
Heater Voltage (V) 1.0 Heater Current (mA) 30 Max Anode Voltage (Ia = 0) (V) 100 Max Operating Anode Voltage (V) 65 Max Anode Current (uA) 750 Max. Grid-Cathode Resistance (mohms) 1.0 Max Grid Voltage (V) -50 Max Grid Voltage (Rg =100K ohms)(V) 0	<u>CONNECTIONS</u> See Page 3
JOINT SERVICE CATALOGUE NUMBER 5960-99-037- 2516	<u>DIMENSIONS</u> See Page 3

TESTS

CV6094

To be performed in addition to those  
applicable in K10001  
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Test Conditions unless otherwise stated:-								
Vh(V)		Va(V)		Rg1 (Kohm)		Vg1(V)		
1.0		50		100		0		
K1001 Ref	TEST	TEST CONDITIONS	AQL %	Insp. Level	Symbol	LIMITS		Units
						Min	Max.	
	Ins: A - all	V = 50v	1.0	II		50	-	Mohm
	Ins: G - all	V = 50v	1.0	II		50	-	Mohm
	Heater Current Note 2		0.4	II	If	24	36	mA
	Anode Current Note 2		0.4	II	Ia	430	740	uA
	Anode Current 2 Note 2	Vg1 = -3V	0.4	II	Ia	-	5.0	uA
	Life Test 500hrs	Note 3	Note 3					
	Life Test End Point				Ia	320		uA

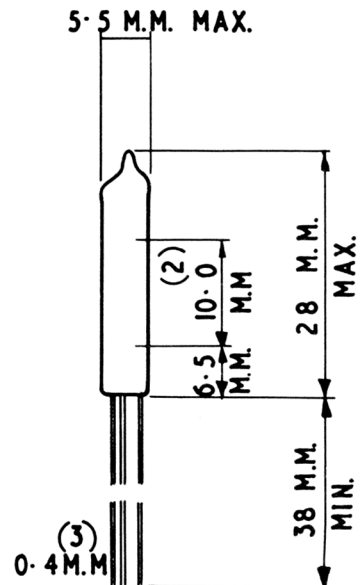
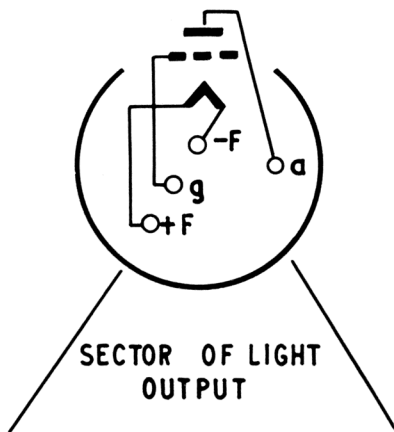
NOTES

1. For the purpose of this specification, samples for acceptance shall be taken from each identifiable batch of valves during a period not exceeding one month and not exceeding 3000 valves.
2. The Combined AQL for this group of tests shall be 1.0%.
3. For life test a sample of 5 valves is to be taken from each batch and run to the following conditions:-

Vf = 1.0, Va = 50v. Vg1 = 0 Rg1 = 100K.

A batch is to be acceptable if there is not more than one reject to the specified end point, and rejected if there are four or more rejects.

If there are two or three rejects a second sample of 10 valves is to be run and after 500 hours there must be not more than a total of three rejects in 15 samples.



(2) LENGTH OF LIGHT BAR

(3) LEADS TO BE GOLD PLATED OR TINNED.