

Specification MAP/CV1029/Issue 5 Dated 20.1.49. To be read in conjunction with K1001 ignoring clauses:- 5.2, 5.8, 7.2.	<u>SECURITY</u> Specification RESTRICTED	Valve UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Half-wave mercury vapour rectifier. <u>CATHODE</u> - Directly heated. <u>ENVELOPE</u> - Glass - unmetallised			<u>MARKING</u> See K1001/4. <u>PACKING</u> See K1005		
<u>RATING</u>		Note A	<u>BASE</u> Goliath Edison Screw Cap. See K1001/AIV/D13.1		
Filament Voltage	(V)	4.0	<u>TOP CAP</u> (Anode) See K1001/AI/D5.4.		
Filament Current	(A)	9.0			
Max. Working Peak			<u>DIMENSIONS</u> See K1001/AI/D1.		
Inverse Voltage	(kV)	4.0			
Max. D.C. Output Current	(A)	0.6			
Max. Temperature of Condensed Mercury	(°C)	60	Dimension	Min.	Max.
Min. Temperature of Condensed Mercury	(°C)	25	A (mm)	-	216
Max. Frequency of Supply (c.p.s.)		150	B (mm)	-	64
Max. Peak Anode Current	(A)	2.5			
Min. Choke Inductance at max. D.C. Output Current	(H)	0.8			

NOTES

A:- Filament voltage must be switched on at least 30 secs. before the anode voltage.

B:- Ratings apply to choke input filter and 50 c/s supply.

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vf	Va	Ia(A)		Min.	Max.	
a	4.0 AC or DC	0	-	If (A)	-	10	100% or 3
b	4.0 AC	DC applied after fila- ment has been alight for a period not exceed- ing 15 min- utes.	2.5	Va (V)	-	20	100%
c	4.0 AC	The valve shall operate satisfactorily with a peak inverse voltage of not less than 4 kV. and with a peak current of not less than 2.5 A.					100%