

MINISTRY OF SUPPLY (DCD)

Specification MAP/CV135/Issue 3 Dated 30.9.47. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Miniature high vacuum half wave rectifier			<u>MARKING</u> See K1001/4	
<u>CATHODE</u> - Indirectly heated				
<u>ENVELOPE</u> - Glass				
<u>RATING</u>	Note	<u>BASE</u> B7G		
Heater Voltage (V)	6.3	Pin	Electrode	
Heater Current (A)	0.42	1	Anode	
Maximum Applied R.M.S. Voltage (V)	250	2	Cathode	
Maximum Working P.I.V. (V)	700	3	Heater	
Maximum No Load P.I.V. (V)	750	4	Heater	
Maximum Mean D.C. Anode Current (mA)	75	5	Anode	
Maximum Peak Anode Current (mA)	375	6	No connection	
Maximum H-C Voltage (V)	300	7	No connection	
Maximum Reservoir Condenser (μ F)	32	<u>DIMENSIONS</u>		
Minimum Limiting Resistance introduced externally (Ω)	75	See K1001/A1/D4.		

NOTE

A:- With heater positive or negative.

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	Vh	Va		Min.	Max.	
a	6.3	0	Ih (A)	0.37	0.47	100% or 5
b	6.3	Adjust for Ia = 75 mA	Va (V)	-	15.0	100%
				Dodge value of Va=11.0V		T.A.
c	6.3	Input voltage 250 V. R.M.S. frequency 50 c.p.s. D.C. load 75 mA. (nominal). Reservoir condenser 32 μ F. Effective resistance introduced externally in anode circuit 75 Ω	<u>Load Test</u> Reject for softness or persistent flashing.			100%