MINISTRY OF SUPPLY (DCD)

VALVE ELECTRONIC **CV135**

Specification MAP/CV135/Issue 3 Dated 30.9.47. To be read in conjunction with K1001	SECURITY Specification [redacted] Unclassified Valve UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Miniature high vacuum half wave rectifier

CATHODE - Indirectly heated

ENVELOPE - Glass

MARKING

See K1001/4

RATING		Note
Heater Voltage (V)	6.3	
Heater Current (A)	0.42	
Maximum Applied R.M.S. Voltage (V)	250	
Maximum Working P.I.V. (V)	700	
Maximum No Load P.I.V. (V)	750	
Maximum Mean D.C. Anode Current (mA)	75	
Maximum Peak Anode Current (mA)	375	
Maximum H-C Voltage (V)	300	A
Maximum Reservoir Condenser (μF)	32	
Minimum Limiting Resistance introduced externally (Ω)	75	

BASE

B7G

Pin	Electrode
1	Anode
2	Cathode
3	Heater
4	Heater
5	Anode
6	No connection
7	No connection

DIMENSIONS

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 S
b	6.3	Adjust for Ia = 75 mA	Va (V)	-	15.0	100%
				Dogie 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 μF. Effective resistance introduced externally in anode circuit 75Ω	Load Test Reject for softness or persistent flashing.			100%