

Specification AD/CV172/Issue 4. Dated 14.11.46. To be read in conjunction with K1001, ignoring clause :- 5.8.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> :- Noise diode. <u>CATHODE</u> :- Directly heated, tungsten. <u>ENVELOPE</u> :- Glass, unmetallised. <u>PROTOTYPE</u> :- E. 1468	<u>MARKING</u> See K1001/4.
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<u>RATING</u>			Notes	<u>BASE</u> B9G	
Normal Filament Voltage	(V)	6.0		D	See K1001/ATV/D8.
Mean Filament Current	(A)	1.0		<u>Pin</u>	<u>Electrode</u>
Mean saturated Anode Current	(mA)	18	B	1	Filament
Max. Permissible Filament voltage	(V)	7.0	C	2	Anode
Approx. spread of Vf over a number of valves for Ia (saturated) = 30 mA	(V)	6.25 to 6.75		3	Anode
				4	No connection (Fil. spring)
				5	No connection
				6	No connection
				7	Anode
				8	Anode
				9	Filament

<u>NOTES</u>	
A.	The design of the valve shall be such that saturation occurs with Va not greater than 50 V.
B.	At 6.0 V.
C.	At 7.0 V. the life of the tube is reduced to the order of 100 hours.
D.	The value of the saturated Ia is normally regulated by variation of Vf.

<u>DIMENSIONS</u>		
See K1001/AT/D2. Except :-		
Dimension	Min.	Max.
E mm	53.5	62
Notes: The groove in the spigot may be omitted. Valve not camed.		
<u>PACKING</u>		
See K1001/7.		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	Vf (V)	Va (V)		Min.	Max.	
a	6.0		If (A)	0.95	1.05	100%
b	6.0	100	Ia (mA)	12.5		100%