

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1180/Issue 3. Dated 30.10.46. To be read in conjunction with K1001.	<u>SECURITY</u> <u>Specn.</u> <u>Valve</u> Restricted Unclassified
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<u>TYPE OF VALVE:-</u> Triode. <u>CATHODE:-</u> Indirectly heated. <u>ENVELOPE:-</u> Glass - metallised. <u>PROTOTYPE:-</u> V312.			<u>MARKING</u> See K1001/4.	
			<u>BASE</u> B5 See K1001/AIV/D5.2	
<u>RATING</u>		Note	Pin	Electrode
			1	A
Heater Voltage (V)		4.0	2	No connection
Heater Current (A)		0.65	3	H
Max. Anode Voltage (V)		200	4	H
Mutual Conductance (mA/V)		2.5	5	C and M
Amplification Factor		30	TC	G
Anode Impedance (Ω)		12,000	<u>TOP CAP</u> See K1001/AI/D5.1	
<u>NOTES</u> A. $V_a = 200 \text{ V}$, $V_g = -3 \text{ V}$. B. The valve design is to be such that a high degree of freedom from microphony is ensured. The microphony test used must be an approved method.			<u>DIMENSIONS</u> See K1001/AI/D1.	
			Dimension	Min. Max.
			A mm	- 126
			B mm	- 39
			<u>PACKING</u> See K1001/7.	

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	4.0	-	-	-	Ih (A)	0.55	0.75	100% or S
b	4.0	200	-3	-	Reverse Ig (uA)	-	1.0	100%
i.	4.0	200	-3	x	Ia (mA)	4.0	9.0	100%
ii.	4.0	200	0	y	Change in Ia (= y - x) (mA)	6.0	10.0	100%
d	4.0	Ad- just- ed	0	= x above	Va (V)	95	125	100%