

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV181/Issue 3 Dated 14.11.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> :- Double triode with separate cathodes. <u>CATHODE</u> :- Indirectly Heated. <u>ENVELOPE</u> :- Glass: clear. <u>PROTOTYPE</u> :- NR73 modified.	<u>MARKING</u> See K1001/4.
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<u>RATING</u>		Note	<u>BASE</u>		
Heater Voltage (V)	6.3		IO See K1001/AIV/D2.		
Heater Current (A)	0.95		<u>Pin</u> <u>Electrode</u>		
Max. Anode Voltage (V)	300		1	G1	
Anode Current (mA)	6	A	2	A1	
Mutual Conductance (mA/V)	2.3	A	3	C1	
Amplification Factor	32	A	4	G2	
Anode Impedance (ohms)	14,000	A	5	A2	
Max. Anode Dissipation (W)	5		6	C2	
Max. Cathode Current (mA)	50		7	H	
			8	H.	
<u>CAPACITANCES (pF.)</u>			<u>DIMENSIONS</u>		
Ca _{1-a2}	0.8		See K1001/AI/D1.		
<u>Triode 1.</u>			<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
Cag	4.3		A mm		118
Cgc	4.3		B mm		46
Cac	1.6		<u>PACKING</u>		
<u>Triode 2.</u>			See K1001/7.		
Cag	4.3				
Cgc	4.3				
Cac	1.4				

NOTE

A. At Va = 250 V, Vg = -4.6 V.

TESTS

To be applied, in addition to those applicable in K1001, to each triode

	Test Conditions			Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)		Min.	Max.	
	a	6.3				Ih (A)	
b	6.3	250	0	Ia (mA)	16.0	23.5	100%
c	6.3	250	-4	Ia (mA)	5.5	9.0	100%
d	6.3	250	-8	Ia (mA)	-	2.0	100%
e	6.3	250	-4	Reverse Ig (μ A)	-	1.5	100%
f	6.3	25	25	Ie (mA)	36	-	100%