

ADMIRALTY SIGNAL ESTABLISHMENT

(NR73)

Specification AD/CV1285/Issue 3 Dated 30.10.46. 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 common cathodes. <u>CATHODES</u> - Indirectly heated. <u>ENVELOPE</u> :- Glass, clear. <u>PROTOTYPE</u> :- ECC 31.	<u>MARKING</u> See K1001/4.
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<u>RATING</u> (For each Triode Section)		<u>BASE</u> IO See K1001/AIV/D2		
	Note		Pin	Electrode
Heater Voltage (V)	6.3		1	No connection
Heater Current (A)	0.95		2	Heater
Max. Anode Voltage (V)	300		3	Anode 1
Anode Current (mA)	6	A	4	Grid 1
Mutual Conductance (mA/V)	2.3	A	5	Grid 2
Amplification Factor	32	A	6	Anode 2
Anode Impedance (Ω)	14,000	A	7	Heater
Max. Anode Dissipation (W)	5		8	Cathode
Max. Cathode Current (mA)	50			
<u>CAPACITANCES (pF approx.)</u>			<u>DIMENSIONS</u> See K1001/AI/D1	
Ca-all		1.0	Dimension	Min. Max.
Triode 1	{ Cag	3.4	A mm	- 118
	{ Cgc	4.0	B mm	- 46
	{ Cac	1.9		
Triode 2	{ Cag	3.75	<u>PACKING</u> See K1001/7.	
	{ Cgc	4.0		
	{ Cac	1.0		

NOTE

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

TESTS

To be performed in addition to those applicable in K1001.

The following tests to be applied to each triode in turn :-

	Test Conditions			Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)		Min.	Max.	
a	6.3	-	-	Ih (A)	0.85	1.05	100% or S
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 tail (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%