

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1173/Issue 2. Dated 30.10.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Medium Impedance Triode.			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated.			See K1001/4.		
<u>ENVELOPE:-</u> Glass, metallised.					
<u>PROTOTYPE:-</u> 354V.					
<u>RATING</u>		Note	<u>BASE</u> B5		
			See K1001/AIV/D5.2.		
Heater voltage (V)	4.0	A	Pin	Electrode	
Heater current (A)	0.65		1	Anode	
Maximum anode voltage (V)	250		2	Grid	
Mutual conductance (mA/V)	3.5		3	Heater	
Amplification factor	40		4	Heater	
Anode impedance (Ω)	11,500	A	5	Cathode and metallising	
<u>CAPACITANCES</u> (pF approx.)			<u>DIMENSIONS</u>		
			See K1001/AI/D1.		
Cag	3.3		Dimension	Min.	Max.
Cgc	5.3		A mm	-	110
Cac	4.2		B mm	-	43
<u>NOTE</u>			<u>PACKING</u>		
A. $V_a = 250$ V, $V_g = -4.5$ V.			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%
b	4.0	250	-3	-	Reverse Ig (μA)	-	1.0	100%
i	4.0	200	-2	x	Value of x (mA)	7	-	100%
c ii	4.0	200	-3	y	x-y (mA)	2.5	4.5	100%
d	4.0	Adjusted	-3	= x as above	Va (V)	235	245	100%
e	4.0	100	Adjusted	3	Ig (μA)	-	1.0	100%
f	4.0	100	0.5	-	Ig (μA)	20	-	100%
g	See K1001/AIII				Capacitance (pF)	7.6	9.4	100%
	H.P.	L.P.	E		Cg-all			
	2	1,3,4,5	-					