

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1189/Issue 3. Dated 7.3.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> :- Television Beam Power Amplifier.		<u>MARKING</u>  See K1001/4.		
<u>CATHODE</u> :- Indirectly Heated.				
<u>ENVELOPE</u> :- Glass.				
<u>PROTOTYPE</u> :- AC6 Pen.				
<u>RATING</u>		<u>BASE</u>		
Heater Voltage (V)	4.0	Note  A	B7	
Heater Current (A)	1.75		See K1001/AIV/D5.3	
Maximum Anode Voltage (V)	330		<u>Pin</u>   <u>Electrode</u>	
Maximum Screen Voltage (V)	220		1   No connection	
Mutual Conductance (mA/V)	8.5		2   Control Grid	
Maximum Peak Anode Voltage (V)	3000		3   Screen Grid	
Anode Dissipation (W)	20		4   Heater	
Screen Dissipation (W)	3		5   Heater	
			6   Cathode	
			7   No connection	
<u>CAPACITANCES (pF. approx.)</u>			TC   Anode	
Cae	7.0	<u>TOP CAP</u>		
Cge	22.0	See K1001/AI/D5.1		
Cag	1.0	<u>DIMENSIONS</u>		
<u>NOTE</u>  A. Va = 100 V, Vg2 = 100 V, Vg1 = 0 V.		See K1001/AI/D1.		
		<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
		A mm	-	139
		B mm	-	54
		<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)	Vg2 (V)	Vg1 (V)		Min.	Max.	
a	4.0	-	-	-	Ih (A)	1.57	1.92	100%
b	See K1001, para. 5.2.2.				<u>Insulation Test</u> R K-g (M $\Omega$ )	35	-	100%
c	4.0	300	220	-35	Ia Cut-off (mA)	-	0.2	100%
d	4.0	300	220	-9	Reverse Ig ( $\mu$ A)	-	1.0	100%
e	4.0	300	220	-9	Ia (mA)	39	78	100%
f	4.0	100	220	0 to -9	Ia Drop (mA)	72	-	100%
g	4.0	100	220	0	Ia (mA)	119	-	100%