

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1188/Issue 3. Dated 31.10.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Output Pentode.	<u>MARKING</u>  See K1001/4.
<u>CATHODE:-</u> Indirectly Heated.	
<u>ENVELOPE:-</u> Glass.	
<u>PROTOTYPE:-</u> N43.	

<u>RATING</u>		Note	<u>BASE</u> B7 See K1001/AIV/D5.3.		
Heater Voltage (V)	4.0		A	Pin	Electrode
Heater Current (A)	2.0	1		No connection	
Max. Anode Voltage (V)	250	2		No connection	
Max. Screen Grid Voltage (V)	250	3		Screen Grid	
Mutual Conductance (mA/V)	10.5	4		Heater	
		5		Heater	
		6		Cathode	
		7		Anode	
		TC		Control Grid	
<u>CAPACITANCES</u> (pF.approx)				<u>TOP CAP</u> See K1001/AI/D5.1.	
Cag	0.3		<u>DIMENSIONS</u> See K1001/AI/D1.		
Ca-all	16.5		Dimension	Min.	Max.
			A mm	-	153
Cg-all	15.5		B mm	-	57
			<u>PACKING</u> See K1001/7.		

NOTE

A.  $V_a = 250 \text{ V}$ ,  $V_{g2} = 250 \text{ V}$ ,  $I_a = 40 \text{ mA}$ .

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)	Ia (mA)		Min.	Max.	
a	4.0	-	-	-	-	Ih (A)	1.8	2.2	1% (20)
b	4.0	250	250	Ad-just-ed	40	Reverse Ig (uA)		1.0	100%
c	4.0	250	250	Ad-just-ed	40	-Vg1 (V)	2.75	6.1	100%
d	4.0	250	250	Ad-just-ed	40	gm (mA/V)	9.0	11.0	100%
Grid voltage swing $\pm$ 0.5 V.									