

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1186/Issue 4. Dated 10.6.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	Valve Unclassified

<u>TYPE OF VALVE:-</u> Output tetrode or pentode.			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated.			See K1001/4.		
<u>ENVELOPE:-</u> Glass - unmetallised.			<u>BASE</u>		
<u>PROTOTYPES:-</u> KT63, 6F6G.			IO See K1001/AIV/D2.		
<u>RATING</u>		Note	Pin	Electrode	
Heater Voltage (V)	6.3		1	No Connection	
Heater Current (A)	0.7		2	Heater	
Max. Anode Voltage (V)	250		3	Anode	
Max. Screen Voltage (V)	250		4	Screen Grid	
Average Anode Current (mA)	34		5	Control Grid	
Average Screen Current (mA)	5.5		6	Pin omitted	
Anode Dissipation (W)	8.5		7	Heater	
Mutual Conductance (mA/V)	2.5		8	Cathode	
<u>CAPACITANCES (pF)</u>				<u>DIMENSIONS</u>	
C <sub>ag</sub>	0.95		See K1001/AI/D1.		
C <sub>ge</sub>	10.0		Dimension	Min.	Max.
C <sub>ae</sub>	8.8		A mm	-	120
<u>NOTE</u>			B mm	-	46
			<u>PACKING</u>		
A. $V_a = V_{g2} = 250 \text{ V}$ , $V_{g1} = -16.5 \text{ V}$ .			See K1001/7.		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg2 (V)	Vg1 (V)		Min.	Max.	
a	6.3				Ih (A)	0.60	0.77	100%
b	6.3	250	250	-16.5	Ia (mA)	23	45	100%
c	6.3	250	250	-16.5	Ig2 (mA)	4.0	9.0	100%
d	6.3	250	250,	-16.5	gm (mA/V)	1.9	3.0	100%
e	6.3	250	250	-16.5	Reverse Ig (uA)	-	2.5	100%