

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1164/Issue 3. Dated 20.6.46. To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u> Restricted</td><td><u>Valve</u> Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u> Restricted	<u>Valve</u> Unclassified
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<u>TYPE OF VALVE</u> : RF Pentode (Was screen grid tetrode)			<u>MARKING</u>		
<u>CATHODE</u> : Indirectly heated			See K1001/4..		
<u>ENVELOPE</u> : Glass : clear					
<u>PROTOTYPE</u> : MS4 (Valve now based on MS/Pen with base and top-cap modified)					
<u>RATING</u>			<u>BASE</u>		
			B5 See K1001/AIV/D5.2.		
			Pin	Electrode	
Heater Voltage (V) 4.0			1	Screen grid	
Heater Current (A) 1.0			2	Control grid	
Max. Anode Voltage (V) 200			3	Heater	
Max. Screen Voltage (V) 100			4	Heater	
Mutual Conductance(mA/V) 2.8			5	Cathode and Suppressor grid	
			TC	Anode	
<u>CAPACITANCES (pF. approx.)</u>			<u>TOP CAP</u>		
			See K1001/AI/D5.4..		
			<u>DIMENSIONS</u>		
			See K1001/AI/D1.		
			Dimension	Min.	Max.
Cgc 12			A mm	-	145
Cac 8			B mm	-	45
Cag 0.003					

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Vg1 (V)	Vg2 (V)	Va (V)		Min.	Max.	
a	4.0				Ih (A)	0.8	1.2	100% or S
b	4.0	-1.5	100	200	Ia (mA)	3.0	6.6	100%
c	4.0	-1 to -2	100	200	Slope (mA/V)	2.0	-	100%
d	4.0	-1.5	100	200	Reverse grid current (uA)	-	1 5	100%
e	4.0	-6	100	200	Ia (mA)	-	0.2	100%