

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1282/Issue 4. 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> H.F. Pentode.			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated.			See K1001/4.		
<u>ENVELOPE:-</u> Glass-metallised.			<u>BASE</u>		
<u>PROTOTYPE:-</u> AC/S2 Pen, MSP4.			B7		
<u>RATING</u>			See K1001/AIV/D5.3		
		Note	Pin	Electrode	
Heater Voltage (V)	4.0	A	1	M	
Heater Current (A)	1.0		2	G1	
Max. Anode Voltage (V)	250		3	G3	
Max. Screen Voltage (V)	100		4	H	
Mutual Conductance (mA/V)	5.5		5	H	
<u>CAPACITANCES (pF.)</u>			6	C	
Ca-all	8.25		7	G2	
Cg-all	12.75		TC	A	
<u>NOTES</u> A. At $V_a = 200$ V, $V_{g2} = 100$ V, $V_g = 0$ , $V_{g3} = 0$ .			<u>TOP CAP</u>		
			See K1001/AI/D5.1		
			<u>DIMENSIONS</u>		
			See K1001/AI/D1		
			Dimension	Min.	Max.
A mm	-	130			
B mm	-	45			
			<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)	Vg3 (V)	Vg1 (V)		Min.	Max.	
a	4.0	-	-	-	-	Ih (A)	0.9	1.1	1%
b	4.0	200	100	0	-2	gm (mA/V)	2.6	-	100%
c	4.0	200	100	0	-2	Ia (mA)	4.1	8.9	100%
d	4.0	200	100	0	-2	Reverse Ig1 ( $\mu$ A)	-	1.5	100%