

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MOS/CV1333/Issue 5 Dated 1.5.46 To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted ←

→ indicates a change

<u>TYPE OF VALVE:-</u> H.F. Pentode <u>CATHODE:-</u> Indirectly heated <u>ENVELOPE:-</u> Metallised <u>PROTOTYPE:-</u> 220 IPT			<u>MARKING</u> See K1001/4 ←		
<u>RATING</u>		Note	<u>BASE</u> B7		
Heater voltage (V)	2.0		Pin	Electrode	
Heater current (A)	0.21	A	1	Metallising	
Max. anode voltage	150		2	Control Grid	
Max. screen voltage	80		3	No connection	
Mutual conductance (mA/V)	1.0		4	Heater	
			5	Heater	
			6	Cathode and Suppressor Grid	
			7 T.C.	Screen Grid Anode	
			<u>TOP CAP</u> See K1001/AI/D5.1		
<u>NOTES</u>			<u>DIMENSIONS</u>		
A. Measured at $V_a = 150$ $V_{g2} = 60$ $V_{g1} = 0$			See K1001/AI/D1		
This valve type is obsolete and this specification is for record purposes only.			<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
			A mm	105	112
			B mm	-	39
			L mm	90	96

TESTS

To be performed in addition to those applicable in K1001

	Test conditions				Test	Limits		No. tested
	Vh	Va	Vg1	Vg2		Min.	Max.	
a	2.0	-	-	-	Ih (A)	0.19	0.23	100% or S
b	2.0	150	0	60	Ia (mA)	2.6	5.3	100%
c	2.0	150	0	60	Ig2 (mA)	-	1.4	100%
d	2.0	150	0	60	gm (mA/V)	0.8	1.3	100%
e	2.0	150	-1	60	Rev Ig (uA)	-	1.0	100%
f	2.0	150	-10	60	Ia (mA)	-	0.05	100%
g	<u>Heater-cathode insulation</u> K1001, clause 5.3 shall apply except that applied voltage shall be not less than 30 volts.							