

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

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

—→ indicates a change

<u>TYPE OF VALVE:-</u> H.F. Pentode				<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated				See K1001/4		
<u>ENVELOPE:-</u> Metallised						
<u>PROTOTYPE:-</u> 220 IPT						
<u>RATING</u>			Note	<u>BASE</u>		
				B7		
Heater voltage	(V)	2.0	A	Pin	Electrode	
Heater current	(A)	0.21		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	Screen Grid	
				T.C.	Anode	
				<u>TOP CAP</u>		
				See K1001/AI/D5.1		
<u>NOTES</u>				<u>DIMENSIONS</u>		
A. Measured at $V_a = 150$				See K1001/AI/D1		
$V_{g2} = 60$						
$V_{g1} = 0$						
This valve type is obsolete and this specification is for record purposes only.				Dimension	Min.	Max.
				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	Heater-cathode insulation K1001, clause 5.3 shall apply except that applied voltage shall be not less than 30 volts.							