

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

Specification MOS/CV 1326/Issue 4. Dated 15.1.46 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> Beam Power Amplifier					<u>MARKING</u>			
<u>CATHODE:-</u> Indirectly heated					See K1001/4.			
<u>ENVELOPE:-</u> Non-metallised								
<u>PROTOTYPE:-</u> AC4/Pen.								
<u>RATING</u>				<u>Notes</u> A	<u>BASE</u> B7			
Heater voltage (V) 4.0					Pin	Electrode		
Heater current (A) 2.1					1	No connection		
Max. Anode voltage (V) 250					2	Control Grid		
Max. Screen voltage (V) 250					3	Screen Grid		
Max. Anode dissipation (W) 16					4	Heater		
Mutual Conductance (mA/V) 11					5	Heater		
					6	Cathode		
				7	Anode			
<u>NOTES</u>					<u>DIMENSIONS</u>			
A. Measured at $V_a = 250$, $V_{g2} = 250$ $V_{g1} = -10$.					See K1001/A1/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This valve type is obsolete and this specification is for record purposes only.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		122	129
					B mm		-	54
					L mm		106	113

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested
	Vh	Va	Vg2	Vg1	Ia		Min.	Max.	
a	4.0	-	-	-	-	Ih (A)	1.9	2.3	100% or S
b	4.0	250	250	-8.5	-	Ia (mA)	44	88	100%
c	4.0	250	250	-8.5	-	Ig2 (mA)	-	25% of Ia	100%
d	4.0	250	250	-8.5 to -10.5	-	gm (mA/V)	8.25	13.75	100%
e	4.0	250	250	-8.5	-	Rev.Ig (μA)	-	0.5	100%
f	4.0	250	250	Read	1.0 mA	Vg1 (V)	-	-25	1% (20)