

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

Specification MOS/CV1329/Issue 6 Dated 2.5.46. To be read in conjunction with K1001	<u>SECURITY</u> <u>Specification</u> Restricted <u>Valve</u> Restricted
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—→ indicates a change

<u>TYPE OF VALVE:-</u> Output pentode				<u>MARKING</u>			
<u>CATHODE:-</u> Indirectly heated				See K1001/4			
<u>ENVELOPE:-</u> Glass-unnmetallised							
<u>PROTOTYPE:-</u> APP4G *							
<u>RATING</u>				<u>Notes</u>	<u>BASE</u>		
					B7		
					<u>Pin</u>	<u>Electrode</u>	
Heater voltage (V)				4.0	A	1	No connection
Heater current (A)				2.0		2	No connection
Max. anode voltage (V)				250		3	Screen grid
Max. screen voltage (V)				250		4	Heater
Max. anode dissipation (W)				9.0		5	Heater
Anode impedance (ohms)				50,000		6	Cathode and suppressor
Mutual conductance (mA/V)				9.1		7	Anode
					T.C.	Control Grid	
<u>CAPACITANCES (pF)</u>					<u>TOP CAP</u>		
Cag (max)				1.0	See K1001/AI/D5.1		
Cae				10.0	<u>DIMENSIONS</u>		
Cge				12.8	See K1001/AI/D1		
<u>NOTES</u>							
A. Measured at Va = 250							
Vg2 = 250							
Vg1 = -6							
This valve type is obsolete and this specification is for record purposes only.							
				<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>	
				A mm	-	147.5	
				B mm	-	51	

TESTS

To be performed in addition to those applicable in K1001.

	Test conditions				Test	Limits		No. tested
						Min.	Max.	
a	See K1001/AIII.				<u>CAPACITANCES (pF)</u>			6 per week
	Links to H.P.	Links to L.P.	Links to E					
	7	TC1	1,2,3,4, 5,6,8,9, 10, TC2.		(i) Cag	-	1.0	
	7	1,2,3,4, 5,6.	8,9,10, TC1, TC2.		(ii) Cae	8.0	12.0	
	TC1	1,2,3,4, 5,6.	7,8,9, 10, TC2.		(iii) Cge	11.6	14.0	
b	Vh	Va	Vg2	Vg1				100% or S
	4.0	-	-	-	Ih (A)	1.6	2.2	
c	4.0	250	250	-7	Ia (mA)	16.0	39.0	100%
d	4.0	250	250	-7	Ig2 (mA)	2.0	6.0	100%
e	4.0	250	250	-5 to -7	gm (mA/V)	8.0	12.0	100%
f	4.0	250	250	-6	Rev. Ig. (uA)	-	1.5	100%