

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

Specification MOS/CV1319/Issue 4 Dated 12.3.46 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> Variable- $\mu$ Screen Grid <u>CATHODE:-</u> Directly heated <u>ENVELOPE:-</u> Glass-unmetallised <u>PROTOTYPE:-</u> VS.2.		<u>MARKING</u> See K1001/4		
<u>RATING</u>		Note	<u>BASE</u> B4	
Filament voltage	(V) 2.0	A A	<u>Pin</u>	
Filament current	(A) 0.1		1	
Max. anode voltage	(V) 150		2	
Max. screen voltage	(V) 70		3	
Mutual conductance	(mA/V) 1.1		4	
Anode impedance	(MR) 0.1		T.C.	
<u>NOTES</u>		<u>TOP CAP</u>		
A. Measured at $V_a = 150$ $V_{g2} = 70$ $V_{g1} = 0.5$		See K1001/AI/D5.1		
This valve type is obsolete and this specification is for record purposes only.		<u>DIMENSIONS</u>		
		See K1001/AI/D1		
		<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
		A mm	118	128
B mm	-	45		
L mm	103	113		

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested				
						Min.	Max.					
a	See K1001/AIII				CAPACITANCES (pF)							
	Links to H.P.	Links to L.P.	Links to E.						(i) Cag	-	0.015	T.A.
	T.C.1	2	1,3,4,5,6,7,8,9,10,TC2.						(ii) Cae	-	10.0	6 per week
	T.C.1	1,3,4.	2,5,6,7,8,9,10,TC2.						(iii) Cge	-	11.0	
	2	1,3,4.	5,6,7,8,9,10,TC1,TC2.									
b	Vf	Va	Vg2	Vg1	If (A)	0.09	0.11	100% or S				
	2.0	-	-	-								
c	2.0	150	70	0	Ia (mA)	3.3	6.0	100%				
d	2.0	150	70	0	Ig2 (mA)	-	3.0	100%				
e	2.0	150	70	0 to -1V	gm (mA/V)	0.8	1.4	100%				
f	2.0	150	70	- 1	Rev. Ig (uA)	-	0.5	100%				
g	2.0	150	70	-4 to -5	gm (mA/V)	0.2	0.5	100%				
h	2.0	150	70	-10	Ia (mA)	-	0.25	10% (50)				