

Specification MAP/CV1599/Issue 4 Dated 11.9.46. 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> : H.F. Pentode				<u>MARKING</u> See K1001/4			
<u>CATHODE</u> : Indirectly heated							
<u>ENVELOPE</u> : Glass-unmetallised							
<u>PROTOTYPE</u> : 8D2							
<u>RATING</u>			<u>Note</u>	<u>BASE</u> B7			
Heater Voltage (V)			13.0	<u>Pin</u>	<u>Electrode</u>		
Heater Current (A)			0.15				
Max. Anode Voltage (V)			250				
Max. Screen Voltage (V)			125				
Mutual Conductance (mA/V)			1.25				
Anode Impedance (MΩ)			1.5				
Amplification Factor			1900				
<u>CAPACITANCES (pf)</u>							
Cag (max.)			0.025				
Cae			13.0				
Cge			4.7				
<u>NOTE</u> A. At Va = 250, Vg2 = 100, Vg1 = -3.0, Ia = 2.3mA.							
						<u>TOP CAP</u> See K1001/AI/D5.1	
						<u>DIMENSIONS</u> See K1001/AI/D1.	
<u>Dimension</u>				<u>Min.</u>	<u>Max.</u>		
A (mm)				108	117		
B (mm)				-	39		
C (mm)				-	35		

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> Cag Cae Cge	-	0.025	T.A.
	Links to H.P.	Links to L.P.	Links to E.						
	2	TC1	1,3,4,5, 6,7,8,9, 10, TC2						
	2	1,3,4,5, 6,7.	8,9,10, TC1,TC2						
	TC1	1,3,4,5, 6,7.	2,8,9, 10,TC2.						
b	Vh	Va	Vg2	Vg1	Vg3	Ih (A)	0.135	0.165	100% or S
	13.0	0	0	0	0				
c	13.0	250	100	-3.0	0	Ia (mA)	1.3	3.3	100%
d	13.0	250	100	-3.0	0	Ig2 (mA)	0.1	1.0	100% or S
e	13.0	250	100	-3.0	0	Reverse Ig (nA)	-	2.0	100%
f	13.0	250	100	-3.0	0	gm (mA/V)	1.0	1.5	100%
	Peak grid swing ±0.5V. max.								
g	13.0	30	30	30	30	Ic (mA)	50	-	100%