

Specification MAP/CV1045/Issue 6 Dated 21.7.50 To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	Valve UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Triode <u>CATHODE</u> - Directly heated <u>ENVELOPE</u> - Glass, unmetallised <u>PROTOTYPE</u> - X56		<u>MARKING</u> See K.1001/4		
<u>RATING</u> Filament Voltage (V) 2.0 Filament Current (A) 0.44 Max. Anode Voltage (V) 300 Max. Anode Dissipation (W) 3.5 Mutual Conductance (mA/V) 2.7 Amplification Factor 10.8 Anode Impedance (Ω) 4000 Max. Operating Frequency (Mc/s) 20		Note A A A	<u>BASE</u> B4	
<u>CAPACITANCES (pF)</u> Caf 3.75 Cgf 4.75 Cag 5.3			<u>Pin</u>	<u>Electrode</u> 1 Anode 2 Grid 3 Filament negative 4 Filament positive
		<u>DIMENSIONS</u> See K.1001/AI/D1		
		Dimension	Min.	Max.
		A B	(mm) (mm)	95 - 45
<u>NOTES</u> A: At Va = 200, Vg = -10, Ia = 15.5 mA.				

CV1045

TESTS

To be performed in addition to those applicable in K.1001.

Test Conditions					Test	Limits		No. Tested		
						Min.	Max.			
a	See K1001/5.2. Test Voltages 250V. between grid and filament. 500V. between any other pair of electrodes.				Insulation (Mn)	150	-	100%		
b	Using Adaptor type 35. Ref. No. 10A/13331. See K.1001/AlII				<u>CAPACITANCES</u> (pF)			6 per week		
	Links to H.P.	Links to L.P.	Links to E	1. Cae					-	6.0
	1	3,4	2,5,6,7,8,9,10 TC1, TC2	2. Cge					-	6.0
	2	3,4	1,5,6,7,8,9,10 TC1, TC2	3. Cag					-	6.0
c	Vf	Va	Vg	Ia(mA)	If (A)	0.42	0.46	100% or S		
	2.0	0	0	0						
d	2.0	200	-10	-	Ia (mA)	11	20	100%		
e	2.0	200	-10	-	gm (mA/V)	2.5	-	100%		
f	2.0	200-180	-10	-	Change in Ia (mA)	4.0	5.7	100% or S		
g	2.0	300	-	12	<u>DISSIPATION</u> There shall be no signs of breakdown during test. 1. Variation in setting of Vg (V) 2. Reverse Ig at end of test. (μA)			100% 100%		
Conditions maintained for 2 minutes										