

Specification MAP/CV1027/Issue 7 Dated 2.10.46. 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> - L.F.Triode		<u>MARKING</u>	
<u>CATHODE</u> - Directly heated		See K1001/4	
<u>ENVELOPE</u> - Glass-unmetallised			
<u>RATING</u>		<u>BASE</u>	
	Note	B4	
Filament Voltage (V)	2.0	Pin	Electrode
Filament Current (A)	0.1	1	Anode
Max. Anode Voltage (V)	150	2	Grid
Max. Anode Dissipation (W)	1.0	3	Filament negative
Mutual Conductance (mA/V)	1.1	4	Filament positive
Amplification Factor	15		
<u>NOTE</u>		<u>DIMENSIONS</u>	
A. At $V_a = 100$ , $V_g = 0$ .		See K1001/AI/D1.	
B. CV1027 was CV1024 selected by a detection efficiency test.		Dimension	Min.      Max.
		A      (mm)	-      104
		B      (mm)	-      43
		C      (mm)	-      36

This valve is obsolete and this specification is for record purposes only.

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No. Tested
	Vf	Va	Vg		Min.	Max.	
a	2.0	0	0	If (A)	0.09	0.11	100% or S
b	2.0	100	0	Ia (mA)	2.8	6.0	100%
c	2.0	100 Peak grid swing ±1.0V. max.	-	gm (mA/V)	0.85	1.4	100%
d	2.0	100	-2	Reverse Ig1 ( $\mu$ A)	-	1.0	100%
e	<u>NOISE.</u> The valve shall be tested for microphonic noise see K1001/5.8.2.						