VALVE ELECTRONIC CV1723

GENERAL POST OFFICE: E-IN-C (S)

POVT 182)

Specification: G.P.O./CV 1723/Issue 2 Dated: 17 - 6 - 46 To be read in conjunction with K 1001	SECURITY Specification: Restricted Valve: Restricted

——→ indicates a change

TYPE OF VALVE: H.F. Pentode
CATHODE: Directly heated
ENVELOPE: Metallised glass
PROTOTYPE V 257

MARKING
See K 1001/4

BASE
Mazda Octal (MO)

RATING

			Note
Filament voltage	(V)	2.0	
Nominal filament current	(A)	0.15	
Max. anode voltage	(V)	150	
Max. screen voltage	(V)	150	
Min. mutual conductance	(mA/V)	2.3	A

CAPACITANCES (pF)

Cag	(max)	0.02
Cae	(max)	6.7
Cge	(max)	9.7

CONNEXIONS

Pin	Electrode
1	Filament
2	Pin omitted
3	Anode
4	G2
5	G3
6	Metallising
7	Pin omitted
8	Filament
TC	G1

TOP CAP
See K 1001/A1/D5.1

DIMENSIONS
See K 1001/A1/D1

Dimension	Min.	Max.
A (mm)	-	100
B (mm)	-	33

This valve type is obsolete and this specification is for record purposes only.

NOTE

A. Measured with Va = 120, Vg1 = -0.5, and Vg2 = 120

CV1723

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	See K 1001/A III						Min.	Max.		
(a)	Links to H.P.	Links to L.P.	Links to E.			CAPACITANCES (pF)				
	3	TC1	1,2,4,5,6,7, 8,9,10,TC2			(i) Cag	-	0.02	6 per week	
	3	1,4,5, 6,8	2,7,9,10, TC1, TC2			(ii) Cae		6.7	6 per week	
	TC1	1,4,5, 6,8	2,3,7,9, 10,TC2			(iii) Cge		9.7	6 per week	
	Vf (DC)	Va	Vg2	Vg3	Vg1					
(b)	2	0	0	0	0	If (A)	0.135	0.165	100%	
(c)	2	120	120	0	-1	Ia (mA)	0.8	2.8	100%	
(d)	2	120	120	0	-1	Ig2 (mA)	-	$\frac{Ia}{3}$	100%	
(e)	2	120	120	0	-3	Ia (mA)	-	0.1	100%	
(f)	2	120	120	0	-0.5	gm (mA/V)	2.3	-	100%	
(g)	2	120	120	0	-1	Reverse Ig1 (µA)	-	0.5	100%	
(h)	2	120	120	0	-20	Reverse Ig1 (µA)	-	0.3	100%	
(j)	2	120	120	0	0	Positive Ig1 (µA)	-	0.3	100%	