

VALVE ELECTRONIC **CV 1719**

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

(POVT 171)

Specifications: G.P.O./CV1719/Issue 1 Date: 19.3.47 To be read in conjunction with K.1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

Indicates a group

<u>TYPE OF VALVE:</u> Vacuum half-wave rectifier <u>CATHODE:</u> Indirectly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE:</u> U22			<u>MARKING</u> See K1001/4		
			<u>BASE</u> Mazda Octal (K.O)		
<u>RATING</u>			<u>CONNECTIONS</u>		
		Note	Pin	Electrode	
Heater voltage	(V) 2.0		1	Heater & Cathode	
Nominal heater current	(A) 2.0		2	Pin omitted	
Max. D.C. output voltage	(kV) 5.0		3	No connection	
Max. peak inverse voltage	(kV) 12.5		4	Pin omitted	
Max. mean anode current	(mA) 5.0		5	No connection	
Max. peak anode current	(mA) 55.0		6	Pin omitted	
			7	Pin omitted	
			8	Heater	
			T.C.	Anode	
			<u>TOP CAP</u> See K1001/A1/D5.1		
			<u>DIMENSIONS</u> See K1001/A1/D1		
			Dimension	Min.	Max.
			A (mm)	-	98
			B (mm)	-	29
This valve type is obsolete and this specification is for record purposes only.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	Note
	Vh(V)	Va(kV)(AC)	Va(V)(DC)		Min.	Max.		
(a)	2.0	-	-	Ih (A)	1.8	2.2	100%	
(b)	2.0	4.3	-	D.C. output (mA)	-	5.0	100%	1
(c)	2.0	-	100	Ia (mA)	13.0	26.0	100%	

NOTE

- This test shall be conducted in a half-wave circuit and its duration shall be 15 minutes. A limiting resistor of 10,000 ohms shall be inserted in the anode lead, and the reservoir capacitor shunting the load resistance shall be 0.5  $\mu$ F.  
No blue glow, sparking, or flash-over shall occur.