VALVE ELECTRONIC CV1715

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

(POVT 166)

Specification: G.P.O./CV1715/Issue 1 Dated: 19.3.47 To be read in conjunction with K 1C01	SECURITY Specification: Restricted	Valve: Restricted

---> indicates a change

TYPE OF VALVE: Double diode triode
CATHODE: Indirectly heated
ENVELOPE: Metallised glass
PROTOTYPE: EBC3

MARKING
See K1001/4

BASE
Side contact (SC8)

RATING

			Note
Heater voltage	(V)	6.3	
Nominal heater current	(A)	0.2	
Max. anode voltage	(V)	300.0	
Max. anode dissipation	(W)	1.5	
Mutual conductance	(mA/V)	2.0	A
Anode impedance(triode)	(ohms)	15,000	A
Amplification factor		30.0	A

CONNEXIONS

Pin	Electrode
1	Metallising
2	Heater
3	Heater
4	Cathode
5	Diode 1
6	Diode 2
7	No connection
8	Anode
T.C.	Grid

TOP CAP
See K1001/A1/D5.2

DIMENSIONS
See K1001/A1/D1

Dimension	Min.	Max.
A (mm)	-	90
B (mm)	-	32

This valve type is obsolete and this specification is for record purposes only.

NOTE

A. Measured with Va = 250, Vg = -3, and Vd = 0

To be performed in addition to those applicable in K1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Vh(V)	Va	Vg	Vd1	Vd2		Min.	Max.		
(a)	6.3	-	-	-	-	Ih (A)	0.18	0.22	100%	1
(b)	6.3	250	-6	-	-	Ia (mA)	1.7	5.8	100%	1
(c)	6.3	250	0	-	-	Ia (mA)	15.5	26.5	100%	1
(d)	6.3	250	-12	-	-	Ia (μA)	-	45.0	100%	1
(e)	6.3	250	-5	-	-	Reverse Ig (μA)	-	0.7	100%	1
(f)	6.3	-	-	10	-	Id1 (mA)	3.75	14.5	100%	1
(g)	6.3	-	-	-	10	Id2 (mA)	3.75	14.5	100%	1

NOTE

1. Before commencing the tests, the valve shall be pre-heated for 10 minutes, the heater voltage being adjusted to 6.3 volts with all other electrodes disconnected.