MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC
(VR95)

CV1095

Specification MAP/CV1095/Issue 7 Dated 7.8.47. To be read in conjunction with K1001	SECURITY Specification: RESTRICTED Valve: RESTRICTED

→ Indicates a change

TYPE OF VALVE - Acorn Pentode

CATHODE - Indirectly heated

ENVELOPE - Glass-unmetallised

PROTOTYPES - ZA2, 954, 4672

MARKING

See K1001/4

RATING			Note
Heater Voltage	(V)	6.3	
Heater Current	(A)	0.15	
Max. Anode Voltage	(V)	250	
Max. Screen Voltage	(V)	150	
Max. Anode Dissipation	(W)	0.5	
Max. Screen Dissipation	(W)	0.1	
Mutual Conductance	(mA/V)	1.4	A
Anode Impedance	(MΩ)	1.5	A
CAPACITANCES (pF)			
Cae		3.0	
Cge		3.0	
Cag (max.)		0.01	

BASE

None

All pins are to be plated.

Pin	Electrode
1	Heater
2	Screen grid
3	Suppressor grid
4	Heater
5	Cathode
Top Wire	Anode
Bottom Wire	Control grid

DIMENSIONS

See K1001/AI/D4.2.2

NOTE

A. At Va = 250, Vg2 = 100, Vg3 = 0, Vg1 = -3.0.

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits Min.	Limits Max.	No. Tested
a	See K1001/AIII								
	Links to H.P.		Links to L.P.		Links to E	CAPACITANCES (pF)			
	TC1		1,2,3,4, 5.		6,7,8, 9,10, TC2	Cae	2.4	3.5	6 per week
	6		1,2,3,4, 5.		7,8,9, 10,TC1 TC2.	Cge	2.5	3.5	
	TC1		6		1,2,3, 4,5,7, 8,9,10 TC2	Cag	-	0.01	T.A.
	Vh	Va	Vg3	Vg2	Vg1				
b	6.3	0	0	0	0	Ih (A)	0.135	0.165	100% or S
c	6.3	250	0	100	-3.0	Ia (mA)	1.0	3.0	100%
d	6.3	250	0	100	-3.0	gm (mA/V)	1.0	1.8	100%
	Peak grid swing ±0.5V. max.								
e	6.3	250	0	100	-3.0	Ig2 (mA)	0.3	1.1	100% or S
f	6.3	250	0	100	-3.0	Reverse Ig1 (μA)	-	1.5	100%
g	6.3	250	0	100	-10	Ia (mA)	-	0.12	100%