VALVE ELECTRONIC CV1034 (VT34)

Specification MAP/CV1034/Issue 6 Dated 2.10.46. To be read in conjunction with K1001	SECURITY Specification: RESTRICTED Valve: RESTRICTED

→ Indicates a change

TYPE OF VALVE - Transmitting triode

CATHODE - Directly heated - Thoriated

ENVELOPE - Glass - unmetallised

PROTOTYPE - DET: 3.

MARKING

See K1001/4

BASE

None

RATING

		Note
Filament Voltage (V)	15.0	
Filament Current (A)	4.0	
Maximum Anode Voltage (kV)	3.0	
Maximum Anode Dissipation (W)	250	
Mutual Conductance (mA/V)	4.0	A
Amplification Factor	18	A

CONNECTIONS

The anode lead shall be brought out at the opposite end of the valve to that at which the grid and filament leads are brought out.

DIMENSIONS

See K1001/AI/D3

Dimension		Min.	Max.
A	(mm)	-	430
B	(mm)	-	165
C	(mm)	61	65
H	(mm)	-	290
F	(mm)	25	-

PACKING

See K1001/7.3

NOTE

A: Va = 2500, Ia = 100 mA.

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested	Notes
	Vf	Va(kV)	Vg	Ia(mA)		Min.	Max.		
a	15.0	0	0	0	If (A)	3.8	4.2	100%	
b	-	1.0	0	10.0	Vf (V)	-	7.6	100%	1
c	15.0	2.5	-	100.0	Vg (V)	-85	-115	100%	
d	15.0	2.5	20v more negative than value found in (c)	-	Ia change (mA)	68	92	100%	
e	15.0	2.0 to 3.0	-	100	μ	14.4	21.6	100%	
f	15.0	2.5	-	5	Vg (V)	-	-180	100%	
g	15.0	2.0	-	200	Dissipation Vg must be steady for the last 3 readings (taken at 1 min. intervals) At the end of test reverse Ig (μA)	-	15	100%	1
	Conditions maintained for 30 minutes								

NOTE

1. Test clause (b) shall be applied before and after test clause (g) and the second measurement shall show no increase over the first measurement.