MINISTRY OF SUPPLY D.L.R.D.(A)/R.A.E.

VALVE ELECTRONIC **CV2172**

Specification MOSA/CV.2172 Issue 1 Dated 23.2.53 To be read in conjunction with K.1001	SECURITY Specification: UNCLASSIFIED Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Transmitting triode

CATHODE - Directly heated

ENVELOPE - Glass, unmetallised

PROTOTYPE - D.C.80, VX.8064

MARKING

See K.1001/4

BASE

B.9A (Noval)

RATING

			Note
Filament Voltage	(V)	1.25	
Filament Current	(A)	0.2	
Max. Anode Voltage	(V)	170	
Mutual Conductance	(mA/V)	3.5	2
Anode Current	(mA)	20	1
Max. Cathode Current	(mA)	22	
Max. Anode Dissipation	(W)	3.3	
Amplification Factor		14	2

CONNECTIONS

Pin	Electrode	
1	G	
2	n.c.	
3	f(-)	Note 3
4	f(+)	
5	f(-)	Note 3
6	n.c.	
7	n.c.	
8	A	
9	n.c.	

CAPACITANCES (pF)

Cag		1.5
Cge		1.8
Cae		0.9

DIMENSIONS

See K.1001/A1/D4

Dimension	Min.	Max.
A m.m.	-	56
B m.m.	-	22.2

NOTES

1. Measured at Va = 150, Vg_1 = -2.0.
2. Measured at Va = 150, Ia = 20 mA.
3. Pins 3 and 5 are internally connected L.T. Supply voltage should be connected to pin 5, and H/F components to pin 3.

To be performed in addition to those applicable in K.1001

	Test Conditions				Test	Limits		No. Tested	Note
						Min.	Max.		
a	See K.1001/AIII				CAPACITANCES (pF)				
	Pins to H.P.		Pins to L.P.	Pins to E.					
	8		1	2,3,4,5, 6,7,9,	Cag	1.2	1.8	6 per week	1
	8		2,3,4,5, 6,7,9,	1	Cae	0.6	1.2		1
	1		2,3,4,5, 6,7,9,	8	Cge	1.5	2.1		1
	Vf (V)	Va (V)	Vg (V)	Ia (mA)					
b	1.25	-	-	-	If (mA)	180	220	100% or S	
c	1.25	150	-	20	Vg_1 (V)	1.4	2.6	100%	
d	1.25	150	-	20	gm	3.0	4.0	100%	
e	1.25	150	-	20	Ig (μA)	-	0.6	100%	
f	1.25	150	-11	-	Ia (mA)	-	5.5	100%	

NOTE

1. Connections refer to valve pins, no R.A.E. adapter being available.