VALVE ELECTRONIC **CV1359** (AW5)

MINISTRY OF SUPPLY (S.R.D.E)

Specification MOS/CV1359/Issue 4 Dated:- 2.9.46 To be read in conjunction with K1001.	SECURITY Specification: Restricted Valve: Unclassified

——► indicates a change

TYPE OF VALVE:- Tuning indicator
CATHODE:- Indirectly heated
ENVELOPE:- Glass-unmetallised
PROTOTYPE:- ME41

MARKING

See K1001/4

RATING			Note
Heater voltage	(V)	4.0	
Heater current	(A)	0.45	
Max. anode voltage	(V)	250	
Max. target voltage	(V)	250	
Grid voltage for 0° shadow angle (approx)	(V)	22.5	A

BASE
MO

Pin	Electrode
1	Heater
2	Cathode
3	Anode
4	No connection
5	Control grid
6	No connection
7	Target
8	Heater

DIMENSIONS

See K1001/A1/D1

NOTES

A. Measured with anode load resistance of 1 megohm.

This valve type is obsolete and this specification is for record purposes only.

Dimensions	Min.	Max.
A mm	-	90
B mm	-	28.5
L mm	-	77

TESTS

To be performed in addition to those applicable in K1001

	Test conditions				Test	Limits		No. tested	Notes
	Vh	Va	Vt	Vg		Min.	Max.		
a	4.0	-	-	-	Ih (A)	0.425	0.475	10% (50)	
b	4.0	250	250	-4	Ia (mA)	4.25	12.0	100%	
c	4.0	250	250	-4	It (uA)	-	4.0	100%	
d	4.0	250	250	Read	Vg (V) (for zero shadow angle)	-16	-26	100%	1 & 2
e	4.0	250	250	-15	Pattern must be open	-	-	100%	1
f	4.0	250	250	-14	Pattern must be open more than in clause e	-	-	100%	1

NOTES

1. Anode volts applied through 1 megohm.
2. Base orientation: Line of pattern closure to be within $\pm 8^{\circ}$ of a line at right angles to the key.