

<p>Specification MOS/CV425/Issue 2 Dated 4.1.50. To be read in conjunction with K.1002 ignoring clauses:- 5, 7, 8.1.</p>	<table><tr><th colspan="2"><u>SECURITY</u></th></tr><tr><th><u>Specification</u></th><th><u>Valve</u></th></tr><tr><td>RESTRICTED</td><td>UNCLASSIFIED</td></tr></table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	RESTRICTED	UNCLASSIFIED
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
RESTRICTED	UNCLASSIFIED						
<p><u>TYPE OF VALVE:-</u> Germanium Crystal for use as second detector.</p> <p><u>FREQUENCY RANGE:-</u> Up to 100 Mc/s.</p> <p><u>CONSTRUCTION:-</u> To be pan- climatic within the temperature range -40°C to $+100^{\circ}\text{C}$.</p> <p><u>PROTOTYPES:-</u> VX4047</p>	<p><u>MARKING</u></p> <p>Each crystal valve shall be marked with the number:- "CV425" and with the polarity which shall be indicated either by a "+" and "-" sign or by marking the positive end red.</p> <p><u>DIMENSIONS</u></p> <p>The dimensions shall be in accordance with either of the two drawings on page 3.</p> <p><u>PACKING</u></p> <p>Packing shall be in accord- ance with K1005/8 except that protection against R.F. fields is not necessary</p>						

TESTS

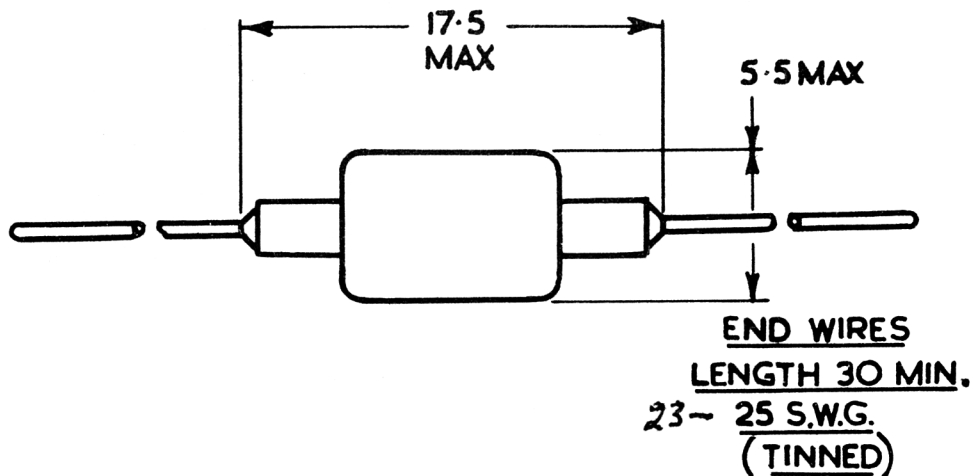
To be applied in addition to those applicable in K1002

	Applied Voltage	Test	Limits		No. Tested	Note
			Min.	Max.		
a	+ 1 volt	Current (mA)	4	-	100%	1
b	-50 volts	Current (mA)	-	1	100%	1
c	adjust	Turnover Voltage (V)	70	-	T.A.	1
d		Capacitances (pF)				
		1. end to end	-	0.5	T.A.	
		2. either end to earth with the other end earthed	-	2.5	T.A.	2

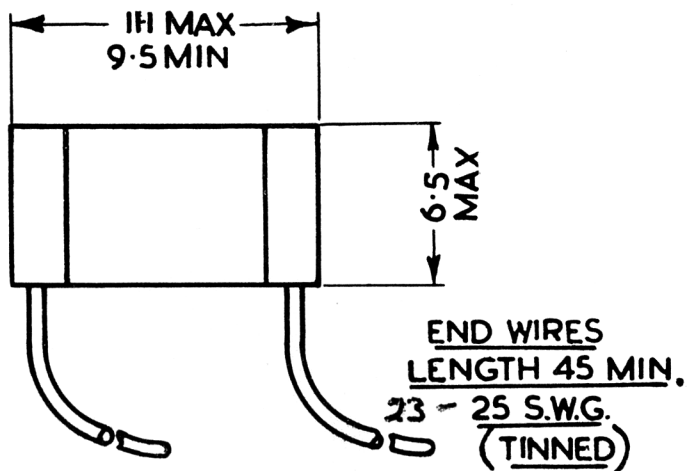
NOTES

1. Test to be carried out at a temperature of $20^{\circ} \pm 5^{\circ}\text{C}$.
2. Measurement to be made with crystal pressed along an earthed length of right angle metal.

OUTLINE No:1.



OUTLINE No:2.



ALL DIMENSIONS IN MILLIMETRES.

AMENDMENT NO. 1

to Issue No. 2 dated 4.1.50
of Specification Valve Electronic CV.425

Page 3.

Amend the legend appearing on Outline No. 1 to read:-

"End wires length 30 Min. 23-25 SWG (Tinned)"

Amend the legend appearing on Outline No. 2 to read:-

"End wires length 45 Min. 23-25 SWG (Tinned)"

✓

T.V.C. for R.R.E.

March, 1958

N.24951R