

Specification: MOS/CV2310/Issue 1 Dated: 28.1.54 To be read in conjunction with K.1001	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Unclassified</td><td>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Unclassified	Unclassified
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Unclassified	Unclassified						

TYPE OF VALVE: Germanium Rectifier Crystal CONSTRUCTION: To be pan-climatic within the temperature range -40°C to $+100^{\circ}\text{C}$. PROTOTYPES: GEX64			<u>MARKING</u> Each crystal valve shall be marked with the number CV2310 and with the polarity which shall be indicated either by a "+" and a "-" sign or by marking the positive end red.
<u>RATING</u> Max. continuous forward rating (mA) Min. turnover voltage (V) Note: The above ratings apply at a temperature of $20^{\circ} \pm 5^{\circ}\text{C}$.	50 3.0		<u>DIMENSIONS</u> The dimensions shall be in accordance with the drawing on page 3. <u>PACKING</u> Packing shall be in accordance with K.1005 except that protection against R.F. fields is not necessary.

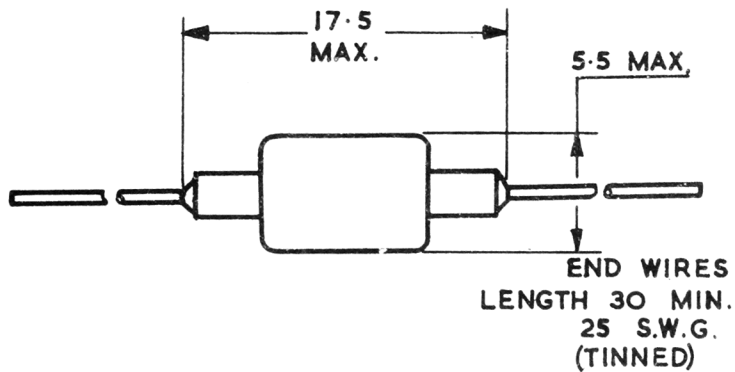
TESTS

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

Applied Voltage		Test	Limits		No. Tested	Note
			Min.	Max.		
a	+0.3V	Current (mA)	5	-	100%	1
b	-1V	Current (μ A)	-	160	100%	1
c		Capacitances (pF) 1. End to end	-	30	T.A.	2
		2. Either end to earth with other end earthed.	-	30	T.A.	

NOTES

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

OUTLINE No.1

ALL DIMENSIONS IN MILLIMETRES.

CV. 2310/1/3