

Specification: MOS/CV2310/Issue 1 Dated: 28.1.54 To be read in conjunction with K.1001	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

TYPE OF VALVE: Germanium Rectifier Crystal CONSTRUCTION: To be pan-climatic within the tempera- ture range -40°C to +100°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.										
<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;"><u>RATING</u></td> <td></td> </tr> <tr> <td>Max. continuous forward rating (mA)</td> <td style="text-align: center;">50</td> </tr> <tr> <td>Min. turnover voltage (V)</td> <td style="text-align: center;">3.0</td> </tr> </table> <p>Note: The above ratings apply at a temperature of 20° ± 5° C.</p>	<u>RATING</u>		Max. continuous forward rating (mA)	50	Min. turnover voltage (V)	3.0	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;"><u>DIMENSIONS</u></td> </tr> <tr> <td>The dimensions shall be in accordance with the drawing on page 3.</td> </tr> <tr> <td style="text-align: center;"><u>PACKING</u></td> </tr> <tr> <td>Packing shall be in accordance with K.1005 except that protection against R.F. fields is not necessary.</td> </tr> </table>	<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.
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TESTS

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

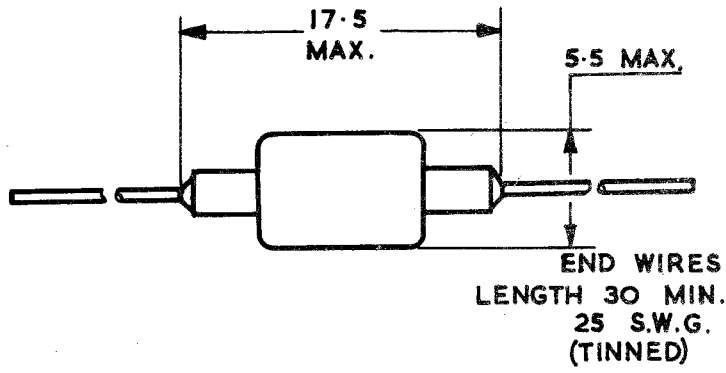
	Applied Voltage	Test	Limits		No. Tested	Note
			Min.	Max.		
a	+0.3V	Current (mA)	5	-	100%	1
b	-1V	Current (μ A)	-	160	100%	1
c		Capacitances (pF)				
		1. End to end	-	30	T.A.	
		2. Either end to earth with other end earthed.	-	30	T.A.	2

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.

CV2310/1/2

OUTLINE No.1



ALL DIMENSIONS IN MILLIMETRES.

CV.2310/1/3