

Specification MAP/CV226/Issue 3 Dated 18.1.50. To be read in conjunction with K1002 ignoring clauses:- 6.2, 6.4, 6.5.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> Noise generating crystal valve	<u>MARKING</u>  Valves - A Prominent black band or CV. 226.
<u>REQUIREMENTS</u>  The crystal shall be suitable for operating at a current of 1.0 mA. in reverse direction.	<u>PACKING</u>  See K1005
	<u>DIMENSIONS</u>  See K1002/A1

CV226

To be performed in addition to those applicable in K1002.

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
a	Crystal Current = 0.75mA. in the reverse direction. Load Resistance $\approx$ 1000 $\Omega$ . Band width of measuring device = 50 kc/s.	Noise output at 0.5 Mc/s. compared with output from temperature limited diode running at 0.75mA.  (db)	+24	-	T.A.
b	Conditions as in test 'a'.	Noise output over required frequency range com- pared with noise output at 0.5 Mc/s.  (db)	To be with- in shaded area of curve on page 3.		T.A.
c	See K1002/6.3.	Forward Resistance  ( $\Omega$ )	-	1000	100%
d	See K1002/6.3.	Back Resistance  ( $\Omega$ )	50,000	-	100%

Limiting requirement of noise output variation with frequency.  
(see test clause b)

