

Specification :- D.C.D. W.T. 1439, Issue No. 1, Dated 11th December, 1943.	<u>VALVE SECURITY</u> Non-Secret.	To be read in conjunction with K1001.
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<u>TYPE OF VALVE</u> :- Gas filled voltage stabilizer.		<u>MARKING</u> VS110A 10E/423	
<u>CATHODE</u> :- Cold		<u>BASE</u> British 4-pin.	
<u>ENVELOPE</u> :- Glass - unmetallised.		Pin T Electrode	
<u>RATING</u> Maximum Striking Voltage 180		1	Anode
		2	Cathode
		3	No connection
		4	No connection
Note This valve is a selected VS110 for special circuit requirements.		<u>DIMENSIONS</u> See K1001/A1/D1.	
		mm.	Min. Max.
		A	117 125
		B	44 52

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
	Tests shall be carried out in a circuit similar to that shown below.				
a	Increase the applied voltage until current flows.	Striking Voltage (V)	-	180	100%
b	Applied voltage varied from 235 V. to 155 V.	1. Stabilised voltage (V)	110	120	100%
		2. Variation in stabilised voltage (V)	-	6	100%
c	<u>Life Test.</u> A voltage of 195 V. shall be applied for 400 hours, after which time test 'b' shall be applied when the stabilised voltage must not exceed 125 V.				1%

