

MINISTRY OF SUPPLY - DLSC(A)/TRE

Specification MOS(A)/CV404
 Issue 2 Dated 11.11.52
 To be read in conjunction with K1001 excluding
 clauses 5.2, 5.8.

SECURITY	
Specification	Valve
UNCLASSIFIED	UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - High Vacuum Half-wave Rectifier				<u>MARKING</u>	
<u>CATHODE</u> - Indirectly-heated				See K1001/4.	
<u>ENVELOPE</u> - Glass - unmetallised					
<u>PROTOTYPE</u> - VX9038				<u>BASE</u>	
				IO	
<u>RATINGS</u>				<u>CONNECTIONS</u>	

NOTES

- A. Absolute maximum value.
 B. Ratings apply to condenser input filter and 50 cps.
 C. Ratings (a) and (b) are alternatives and must not be interchanged under any circumstances.

CV404/2/1

TESTS

To be performed in addition to those applicable in K1001

Test Conditions				Test	Limits		No. Tested	Note
					Min.	Max.		
	Vh (V)	Va (V)	Ia (mA)					
a	4.0 AC or DC	0	0	Ih (A)	1.12	1.38	100% or S	
b	4.0 AC or DC	-	120	Va (V)	-	120	100%	
c	4.0 AC	Input Voltage 5 kV RMS; Frequency 50 cps; DC Load Current 50 mA (nom); Reservoir Condenser 1 μ F; Effective Resistance introduced externally = 4000 ohms.		<u>Load Test</u> Run 40 secs. After first 10 secs switch AC HT supply 3 times - 5 secs off and 5 secs on. Reject for softness or persistent flash-over.			100%	
d	4.0 AC	As Test (c) above but Input Voltage = 6 kV RMS; DC Load Current = 40 mA; Reservoir Condenser = 1.0 μ F. Effective Resistance introduced externally = 5000 ohms.		<u>Load Test</u> As for Test (c) above.			100%	