

MINISTRY OF SUPPLY - DLRD(A)/TRE

VALVE ELECTRONIC

CV 717

Specification MOS(A)/CV717 Issue 2 Dated 16.10.52 To be read in conjunction with K1001.	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <th>Specification</th><th>Valve</th></tr> <tr> <td>UNCLASSIFIED</td><td>UNCLASSIFIED</td></tr> </table>	SECURITY		Specification	Valve	UNCLASSIFIED	UNCLASSIFIED
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Specification	Valve						
UNCLASSIFIED	UNCLASSIFIED						

— Indicates a change

TYPE OF VALVE - Full-wave Rectifier				<u>MARKING</u>		
CATHODE - Directly-heated				As K1001/4, except that the RTMA number shall also be clearly marked.		
ENVELOPE - Glass unmetallised				See K1001/A1V/D2		
PROTOTYPE - 5R4GY				H Dimension <u>BASE</u>		
				V applies I.O.		
<u>RATING</u>				<u>CONNECTIONS</u>		

NOTES

- A. Absolute maximum value.
- B. When $I_a = 0$.
- C. When $PIV = 2.15$ kV.

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions		Test	Limits		No. Tested	Note
				Min.	Max.		
	Vh	Va					
a	5.0	0	If. (A)	1.8	2.2	100% or S	
b	5.0	75 volts DC (max.)	Ia (mA)	225	400	100%	1
c	5.0 Input Voltage = 850 - 0 - 850V RMS Frequency = 50 c/s. Load Resistance = 3500 ohms Reservoir Condenser = 4 μ F. Effective impedance per anode shall be equal to, or less than 200 ohms.	-	Output Current (mA)	245	-	100% or S	2
d	5.0 Input Voltage = 1000 - 0 - 1000V RMS Frequency = 50 c/s. Load Resistance = 7000 ohms Reservoir Condenser = 4 μ F. Effective impedance per anode shall be equal to, or less than 500 ohms.		Output Current (mA)	140	-	100%	2

NOTES

1. Test to be performed on each anode separately.
2. The filament voltage to be applied for a minimum of 10 secs. before application of the input voltage.