MINISTRY OF SUPPLY D.L.R.D.(A)/R.A.E.

VALVE ELECTRONIC **CV2748**

Specification MOSA/CV.2748 Issue 1 Dated 13.2.53. To be read in conjunction with K.1001	SECURITY Specification: UNCLASSIFIED Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Full Wave Rectifier

CATHODE - Indirectly Heated

ENVELOPE - Glass unmetallised

PROTOTYPE - 5Z4GT

MARKING

See K.1001/4

RATING

			Note
Heater Voltage	(V)	5.0	
Heater Current	(A)	2.0	
Max.Peak Inverse Voltage	(kV)	1.4	
Max.Peak Anode Current(each Anode)	(mA)	375	
Condenser Input Filter			
Max.R.M.S. Voltage (each Anode)	(V)	350	
Min.Supply Impedance (each Anode)	(Ohms)	30	
Max.Direct Current Output	(mA)	125	
Max.Reservoir Condenser	(uF)	32	
Choke Input Filter			
Max.R.M.S. Voltage (each Anode)	(V)	500	
Max.Direct Current Output	(mA)	125	
Min.Choke Inductance	(H)	5	

BASE

5 Pin Octal

CONNECTIONS

Pin	Electrode
1	No Connection
2	Heater
3	Pin Omitted
4	Anode No. 2
5	Pin Omitted
6	Anode No. 1
7	Pin Omitted
8	Heater and Cathode

DIMENSIONS

See K.1001/A1/D1

Dimension	Min.	Max.
A	-	3 5/16"
B	-	1 5/16"
L	-	2 3/4"

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

	Test Conditions			Test	Limits		No. Tested	Note
	Vh	Va	Ia (mA)		Min.	Max.		
a	5.0	-	-	Ih	-	2.2	100% or S	2
b	5.0	-	150	Va	19	28	100%	2
c	5.0	Input 400-0-400 R.M.S. Frequency 50 c/s. Load Resistor 3,300 ohms Reservoir Condenser 4µF.		Output Current (mA)	133	-	100%	1,2,3.

NOTES

1. Measured in a full wave circuit with the total supply impedance (including transformer) initially adjusted so that a valve giving 125 mA for a voltage drop of 20 per anode will give an output of 140 mA. The anode voltage shall be measured direct from each anode to earth by a normal rectifier meter.

2. The valve shall have operated continuously for a minimum period of two minutes before test is recorded.

3. During this test the valve shall not exhibit sustained sparking or flashing over when tapped.

4. Tests shall be applied to each anode.