

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MOS/CV1863/Issue 4

Dated:- 21.10.46

To be read in conjunction with K1001,
ignoring clauses 5.2, 5.3.SECURITYSpecificationValve

Restricted

Unclassified

—————> indicates a change

TYPE OF VALVE:- High vacuum full wave
rectifier.CATHODE:- Indirectly heatedENVELOPE:- Glass - unmetallisedPROTOTYPE:- 5Z4GMARKING

See K1001/4

Additional marking :-

5Z4G

RATING

Note

BASE See K1001/A1/D2IO (11 Dimension (w) applies)

Heater voltage (V) 5.0

Nominal Heater current (A) 2.0

Max. applied R.M.S.

voltage (V) 350

Max. working peak inverse

voltage (V) 1000

Max. no load peak inverse

voltage (V) 1250

Max. mean D.C. rectified

current (mA) 125

Max. peak anode current (mA) 375

Max. reservoir condenser (uF) 16

Min. limiting resistance

per anode, introduced

externally (ohms) 30

(Ratings apply to condenser

input filter and 50 c.p.s.

supply).

PinElectrode

1 No connection

2 Heater

3 Pin omitted

4 Anode

5 Pin omitted

6 Anode

7 Pin omitted

8 Heater and cathode

DIMENSIONS

See K1001/A1/D1

DimensionMin.Max.

A mm 118

B mm 46

To be performed in addition to those applicable in K1001

	Test conditions		Test	Limits		No. tested
				Min.	Max.	
a	Vh	Va	Ih (A)	-	2.2	100% or S
	5.0 A.C. or D.C.					
b	5.0 A.C. or D.C.	25 D.C. max.	Ia (mA) Note 1	125	-	100%
c	5.0 A.C.	Input voltage 350- 0-350 R.M.S. Frequency 50 c.p.s. D.C. Load 125 mA. Reservoir condenser 8 uF. Effective resistance per anode introduced externally 30 ohms.	<u>Load test</u> Output voltage Run 1 minute - reject for softness or persistent flashover.	400	-	5% (20)

NOTE

1. Test to be applied to each anode.