

ELECTRONIC VALVE SPECIFICATIONS
SPECIFICATION MOS/CV31 ISSUE 4 DATED 10.9.51
AMENDMENT NO.1

PAGE 1 DIMENSIONS

Against "A mm" In Column headed "Min.,"

Delete "120", Substitute "-"

In Column headed "Max.,"

Delete "138", Substitute "145"

September 1960
N33877

TVC for SRDE

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

Specification: MOS/CV31/Issue 4 Dated 10/9/51 To be read in conjunction with K1001, ignoring clauses:- 5.2 and 5.8	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

→ indicates a change

<u>TYPE OF VALVE:-</u> High vacuum full wave rectifier <u>CATHODE:-</u> Directly heated <u>ENVELOPE:-</u> Glass - unmetallised <u>PROTOTYPE:-</u> U20, FW4/500 (Mod)	<u>MARKING</u> See K1001/4
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<u>RATING</u>		Note	<u>BASE</u> B 4		
Filament voltage		4.0	Pin	Electrode	
Nominal filament current (A)		3.0	1	Anode 1	
Max.applied R.M.S. voltage (V)		850	2	Anode 2	
Max.working peak inverse volts		2200	3	Filament	
Max.No load peak inverse volts		2400	4	Filament	
Max.mean D.C. rectified current (mA)		125	<u>DIMENSIONS</u> See K1001/AI/D1		
Max.peak anode current (mA)		550	Dimension	Min.	Max
Max.reservoir condenser (uF)		4	A mm	120	138
Min.limiting resistance per anode introduced externally (ohms)		150	B mm	-	57
(Ratings apply to condenser input filter and 50c.p.s. supply)					

To be performed in addition to those applicable in K1001

	Test conditions		Test	Limits		No: tested
				Min	Max	
a	Vf	Va	If (A)	-	3.5	100% or S
	4.0 A.C. or D.C.					
b	4.0 A.C. or D.C.	60 D.C. Max	Ia (mA) (Note 1)	220	-	100%
c	4.0 A.C.	Input voltage 850-0-850 V. R.M.S. Frequency 50 c.p.s. D.C. Load 125 mA (nominal) Reservoir Condenser 4 uF Effective resistance per anode introduced externally 150 ohms	Load Test Switch anode and filament together from cold - run 2 minutes - reject for softness or persistent flash-over.			100%

NOTES

1 Test to be applied to each anode.