

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>MARKING</u>	
<u>CATHODE</u> :-	Directly heated	See K1001/4	
<u>ENVELOPE</u> :-	Glass - unmetallised		
<u>PROTOTYPE</u> :-	U20, FW4/500 (Mod)		
<u>RATING</u>		<u>BASE</u> B 4	
		Note	
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) (Ratings apply to condenser input filter and 50c.p.s. supply	150	B mm	- 57

CV31/4/1

To be performed in addition to those applicable in K1001

	Test conditions		Test	Limits		No: tested
				Min	Max	
	Vf	Va				
a	4.0 A.C. or D.C.		If (A)	-	3.5	100% or S
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.