RP

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

VALVE ELECTRONIC **CV1879**

Specification MOS/CV1879/Issue 2 Dated 14/11/51 To be read in conjunction with K1001.	SECURITY Specification: UNCLASSIFIED	Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - H.F. Pentode
CATHODE - Indirectly heated
ENVELOPE - Glass-unmetallised
PROTOTYPE - MS/Pen T.

MARKING

See K1001/4

RATING		Note	
Heater Voltage	(V)	4.0	
Heater Current	(A)	1.0	
Max. Peak Anode Voltage	(kV)	1.0	
Max. Screen Voltage	(V)	125	
Max. Anode Dissipation	(W)	3.0	
Max. Screen Dissipation	(W)	1.0	
Max. Grid Resistance	(MΩ)	2.0	
Mutual Conductance	(mA/V)	2.8	A
Anode Impedance	(MΩ)	0.6	A

CAPACITANCES (pF)

Cae	5.0	
Cge	12.0	
Cag (max.)	0.02	

BASE

B7

Pin	Electrode
1	No connection
2	Control grid
3	Suppressor grid
4	Heater
5	Heater
6	Cathode
7	Screen grid
T.C.	Anode

TOP CAP

See K1001/AI/D5.1

NOTE

A. Va = 250, Vg2 = 125, Vg1 = 2.0, Ia = 5.4 mA.

DIMENSIONS

See K1001/AI/D1.

Dimension		Min.	Max.
A	(mm)	120	126
B	(mm)	-	45

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits Min.	Limits Max.	No. Tested
a	See K1001/AIII								
	Links to H.P.		Links to L.P.		Links to E.	CAPACITANCES (pF)			
	TC1		1,3,4,5,6,7		2,8,9,10, TC2	Cae	-	6.0	T.A.
	2		1,3,4,5,6,7		8,9,10 TC1, TC2	Cge	-	15.0	T.A.
	TC1		2		1,3,4,5,6, 7,8,9,10, TC2	Cag	-	0.02	T.A.
	Vh	Va	Vg2	Vg1	Ia(mA)				
b	4.0	0	0	0	0	Ih (A)	0.9	1.1	100% or S
c	4.0	200	100	-1.5	-	Ia (mA)	3.2	6.4	100%
d	4.0	200	100	-1.5	-	Ig2 (mA)	-	2.0	100% or S
e	4.0	200	100	-1.5	-	gm (mA/V)	2.2	3.4	100%
	Peak grid swing ± 0.5V max.								
f	4.0	200	100	-1.5	-	Reverse Ig1(uA)	-	1.0	100%
g	4.0	200	100	-6.0	-	Ia (mA)	-	0.2	100%
h	4.0	-	100	Tied to cathode thro' 0.1MΩ	2.0	Va (V)	-	9.0	100%
j	4.0	1000 thro' 1MΩ	100	-15	-	Ia (uA)	-	1.0	100%