MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC
(NR41, VR83)

CV1083

Specification MAP/CV1083/Issue 5
Dated 4.9.46.
To be read in conjunction with K1001.

SECURITY	
Specification	Valve
RESTRICTED	RESTRICTED

——→ Indicates a change

TYPE OF VALVE : H.F. Pentode (variable μ)
CATHODE : Directly heated
ENVELOPE : Glass, metallised
PROTOTYPE : 210 VPT, VP21.

MARKING
See K1001/4

RATING			Note
Filament Voltage	(V)	2.0	
Filament Current	(A)	0.1	
Max. Anode Voltage	(V)	150	
Max. Screen Voltage	(V)	80	
Max. Anode Dissipation	(W)	1.0	
Max. Screen Dissipation	(W)	0.3	
Mutual Conductance	(mA/V)	1.1	A
CAPACITANCES (pF)			
Cag (max.)		.006	
Cae		11.0	
Cge		8.8	

BASE
B7

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

TOP CAP
See K1001/AI/D5.1

NOTE

A. At Va = 150V., Vg2 = 60V., Vg1 = 0.

DIMENSIONS
See K1001/AI/D1

Dimension		Min.	Max.
A	(mm)	-	130
B	(mm)	-	46

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested
	Vf	Va	Vg3	Vg2	Vg1		Min.	Max.	
a	2.0	0	0	0	0	If (A)	0.09	0.115	100% or S
b	2.0	150	0	60	0	Ia (mA)	1.9	3.9	100%
c	2.0	150	0	60	0	gm (mA/V)	0.9	-	100%
	Peak grid swing ±0.5V., max.								
d	2.0	150	0	60	0	Ig2 (mA)	0.5	1.0	100% or S
e	2.0	150	0	60	-7.0	Ia (mA)	0.01	0.35	100%
f	2.0	150	0	60	-1.0	Reverse Ig (μA)	-	1.0	100%