VALVE ELECTRONIC **CV1286**

ADMIRALTY SIGNAL ESTABLISHMENT (NR77)

Specification AD/CV1286/Issue 2 Dated 20.10.45. To be read in conjunction with K1001	SECURITY Specification Restricted	 Valve Restricted

TYPE OF VALVE:- Output Pentode
CATHODE:- Indirectly heated
ENVELOPE:- Clear bulb
PROTOTYPE:- EL35.

MARKING

See K1001/4.

RATING			Note
Heater Voltage	(V)	6.3	
Heater Current	(A)	1.35	
Maximum Anode Voltage	(V)	250	
Maximum Screen Voltage	(V)	250	
Maximum Anode Dissipation	(watts)	18	
Maximum Screen Dissipation	(watts)	2.5	
Mutual Conductance	(mA/V)	5.5	A

BASE

American Octal

Pin	Connection
1	No connection
2	Heater
3	Anode
4	Screen Grid
5	Control Grid
6	Omitted
7	Heater
8	Cathode and Suppressor Grid.

NOTES

A. At Va = 250 V, Vg2 = 250 V, Ia = 72 mA.

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	135
B mm	-	53

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Vg1 (V)	Vg2 (V)	Va (V)		Min.	Max.	
a	6.3	-	-	-	H/K Leakage (μA)	-	28	100%
	45 V Applied through 1.0 megohm in series, Cathode positive							
	6.3	-	-	-	Inter-electrode insulation (μA)	-	7.5	100%
	250 V Applied through 10 megohms in series.							
c	6.3	-	-	-	If (amps)	1.2	1.5	1%
d	6.3	-40	250	250	Ia (i) (mA)	-	4.0	100%
	6.3	-20	250	250	Ia (ii) (mA)	35	61	100%
	6.3	-10	250	250	Ia (iii) (mA)	77	123	100%
e	6.3	-15	250	250	-Ig1 (μA)	-	3.0	100%
	0.1 megohm in series with grid supply.							
f	6.3	70 A.C.	70 A.C.	70 A.C.	Emission (mA)	150	-	100%