 VALVE ELECTRONIC **CV1285**

ADMIRALTY SIGNAL ESTABLISHMENT ASWE (NR73)

Specification AD/CV1285/Issue 3 Dated 30.10.46. To be read in conjunction with K1001.	SECURITY Specn. Restricted | Valve Unclassified

TYPE OF VALVE:- Double Triode, with common cathodes.
CATHODES- Indirectly heated.
ENVELOPE:- Glass, clear.
PROTOTYPE:- ECC31.

MARKING

See K1001/4.

RATING (For each Triode Section)

			Note
Heater Voltage	(V)	6.3	
Heater Current	(A)	0.95	
Max. Anode Voltage	(V)	300	
Anode Current	(mA)	6	A
Mutual Conductance	(mA/V)	2.3	A
Amplification Factor		32	A
Anode Impedance	(Ω)	14,000	A
Max. Anode Dissipation	(W)	5	
Max. Cathode Current	(mA)	50	

CAPACITANCES (pF approx.)

Ca-all		1.0
Triode 1	Cag	3.4
	Cgc	4.0
	Cac	1.9
Triode 2	Cag	3.75
	Cgc	4.0
	Cac	1.0

BASE M Dimension (V) applies

IO
See K1001/AIV/D2

Pin	Electrode
1	No connection
2	Heater
3	Anode 1
4	Grid 1
5	Grid 2
6	Anode 2
7	Heater
8	Cathode

DIMENSIONS

See K1001/AI/D1

Dimension	Min.	Max.
A mm	-	118
B mm	-	46

PACKING

See K1001/7.

NOTE

A. At Va = 250 V, Vg = -4.6 V.

TESTS

To be performed in addition to those applicable in K1001.

The following tests to be applied to each triode in turn :-

	Test Conditions			Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)		Min.	Max.	
a	6.3	-	-	Ih (A)	0.85	1.05	100% or S
b	6.3	250	0	Ia (mA)	16.0	23.5	100%
c	6.3	250	-4	Ia (mA)	5.5	9.0	100%
d	6.3	250	-8	Ia tail (mA)	-	2.0	100%
e	6.3	250	-4	Reverse Ig (μA)	-	1.5	100%
f	6.3	25	25	Ie (mA)	36	-	100%