ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC **CV1163** (NR35)

Specification AD/CV1163/Issue 3. Dated 13.6.47. To be read in conjunction with K1001.	SECURITY Specn. Restricted	Valve Unclassified

TYPE OF VALVE:- Double Triode.

CATHODE:- Directly Heated.

ENVELOPE:- Glass; Unmetallised.

PROTOTYPE:- PM2BA.

MARKING

See K1001/4.

RATING

		Note
Filament Voltage (V)	2.0	
Filament Current (A)	0.21	
Max. Anode Voltage (V)	100	
Mutual Conductance (mA/V)	1.5	A
Amplification Factor	6.0	A
Anode Impedance (Ω)	4000	A
Mean Anode Current (mA)	18	A

NOTE

A. These ratings are for each triode with:- Va = 100 V, and Vg = 0 V.

BASE AND CONNECTIONS

B7

See K1001/AIV/D5.

Pin	Electrode
1	G1
2	G2
3	A2
4	Filament
5	Filament
6	No connection
7	A1

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	113
B mm	-	47

PACKING

See K1001/7.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested	Note
	Vf (V)	Va (V)	Vg (V)	Ia (V)		Min.	Max.		
a	2.0	-	-	-	If (A)	0.195	0.225	100% or S	
b	2.0	100	0	= x (say)	Ia (mA)	14	21	100%	1
c	2.0	100	0 to -4	-	Ia change (mA)	5.0	8.0	100%	1
d	2.0	Adjusted	-4	x	Va (V)	120	130	100% or S	1
e	Adjusted so that If = 0.21A.	86	0	-	Difference between Ia (Triode 1) and Ia (Triode 2) (mA)	-	1.0	100%	2
		86	-4	-		-	1.0		2
		86	-8	-		-	1.0		2
f	If varied by ± 1% about the value of 0.21A.	86	-5	-	Variation in difference between Ia (Triode 1) and Ia (Triode 2) (mA)	-	0.05	100%	2
g	0.21	86	-5	-	Ig (μA)	-	0.05	100%	2

NOTES

1. Tests 'b', 'c' and 'd' to be applied to each triode separately.

2. Tests 'e', 'f' and 'g' to be applied to both triodes simultaneously. The potentials given apply to the two corresponding electrodes.