

VALVE ELECTRONIC **CV1164**
(NR37)

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1164/Issue 3. Dated 20.6.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> : RF Pentode (Was screen grid tetrode) <u>CATHODE</u> : Indirectly heated <u>ENVELOPE</u> : Glass : clear <u>PROTOTYPE</u> : MS4 (Valve now based on MS/Pen with base and top-cap modified)		<u>MARKING</u> See K1001/4.	
<u>RATING</u>		<u>BASE</u> B5 See K1001/AIV/D5.2.	
		Note	
Heater Voltage (V)	4.0	Pin	Electrode
Heater Current (A)	1.0	1	Screen grid
Max. Anode Voltage (V)	200	2	Control grid
Max. Screen Voltage (V)	100	3	Heater
Mutual Conductance (mA/V)	2.8	4	Heater
		5	Cathode and Suppressor grid
		TC	Anode
<u>CAPACITANCES (pF. approx.)</u>		<u>TOP CAP</u> See K1001/AI/D5.4.	
Cgc	12	<u>DIMENSIONS</u> See K1001/AI/D1.	
Cac	8		
Cag	0.003		
		Dimension	Min. Max.
		A mm	- 145
		B mm	- 45

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Vg1 (V)	Vg2 (V)	Va (V)		Min.	Max.	
a	4.0				Ih (A)	0.8	1.2	100% or S
b	4.0	-1.5	100	200	Ia (mA)	3.0	6.6	100%
c	4.0	-1 to -2	100	200	Slope (mA/V)	2.0	-	100%
d	4.0	-1.5	100	200	Reverse grid current (uA)	-	1.5	100%
e	4.0	-6	100	200	Ia (mA)	-	0.2	100%