## VALVE ELECTRONIC CVII93 (NR82)

## ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1193/Issue 5.

Dated 31.10.46.

To be read in conjunction with K1001.

SECURITY

Specification

Valve

Unclassified

TYPE OF VALVE: - Triode-hexode freq	MARKING					
CATHODE: - Indirectly heated.	See K1001/4.					
ENVELOPE: - Glass, unmetallise						
PROTOTYPE:- x65.						
RATING		BASE IO				
	Note	See K1001/AIV/D2.				
Heater Voltage (DC or AC) (V) Heater Current (A)	6.3 0.32 250 100 250 10 -3 11 225 0.2 2.5 5.7 - 7.5	A B B	Pin Electrode  1 No connection			
Max. Anode Voltage (V)  Max. Screen Voltage (V)  Oscillator Anode Voltage (V)  Oscillator Grid Peak Voltage (V)  Min. Control Grid Voltage (V)			2 3 4 5	Heater Anode Screen Grids G2 and ( Oscillator and Mixer Grid G3		
Average Total Cathode Current (mA) Average Conversion Conductance (at Vg1 = -3) (umhos)			6 Oscillator Anode 7 Heater 8 Cathode TC Control Grid, G1			
Average Conversion Conductance (at Vg1 = -35) (Aumhos) Conversion Impedance (M) Range of Vh for satisfactory			TOP CAP See K1001/AI/D5.2.			
operation (V)			DIMENSIONS			
CAPACITANCES (pf.)			See K1001/AI/D1.			
Cg1-all Cg1-a	3.5 0.12	C	Dime	nsion	Min.	Max.
Ca-all Cgo-ao Cao-all	5.5 2.0 5.5	000	A mm		-	114
Cgo-all Cgo-g1	10.4 0.2	C	Bmm	١	-	41•5
			PACKING			
		See K1001/7.				

## NOTES

- A. Vao applied through 30,000 ohms.
- B. Vgo = 10 V peak.
- C. Measured with external valve shield.

**CVII93** 

To be performed in addition to those applicable in K1001.

	Test Conditions				oder ei de miller eiter eiter influsiven in er verscheuter uit eiter voor verde voor en voor	Limits		No.		
	Vh (V)	Va (V)	Vg2 (V)	Vg1 (V)	Vao (V)	Test	Min.	Max.	Tested	Notes
a	6.3	-	-	-	•	Ih (A)	0.27	0. 37	100% or S	2
b	6.3	250	100	<b>-</b> 3	100	Total Cathode return current (mA)	7•7	14+5	100%	1
c	6•3	250	100	<b>-</b> 3	100	Go (MA/V)	146	304	100%	1 2
đ	6•3	250	100	<b>-</b> 20	0	Ia tail (MA)	3	300	100%	1
•	6•3	250	100	-3	100	Reverse Ig (MA)	•	1.0	100%	1
f	6.0	•	-	-	-	H.F.Oscillation				
	Valve to be tested in the gear described in Specification D.C.D., W.T. 1182 for the valve CV1099.			(Au)	68	-	5%	3		

## NOTES

- 1. Vgo = 10 V peak AC applied through 50,000 ohms.
- 1 V peak AC applied to gt; test to be performed in an approved circuit.
- 3. If necessary an alternative test may be applied, with agreed positive grid current limits, by arrangement with the issuing authorities.