ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC **CV1290** (NU33)

Specification AD/CV1290/Issue 3. Dated 10.6.47. To be read in conjunction with K1001.	SECURITY Specn. Restricted	Valve Unclassified

TYPE OF VALVE:- Half-wave high-vacuum rectifier

CATHODE:- Indirectly heated

ENVELOPE:- Clear glass

PROTOTYPE:- SU2150A

RATING		
Heater voltage	(V)	2.0
Heater current	(A)	1.5
Max. R.M.S. Anode Voltage	(V)	5,000
Max. rectified current	(mA)	10

MARKING

See K1001/4.

BASE

B4

See K1001/AIV/D5.

Pin	Electrode
1	No connection
2	No connection
3	Heater and cathode
4	Heater
TC	Anode

TOP CAP

See K1001/AI/D5.4.

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	145
B mm	-	51

PACKING

See K1001/7.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	Vh (V)			Min.	Max.	
a	2.0		Ih (A)	-	1.7	1% (20)
b	2.0	Operation in conventional half-wave rectifying circuit Va = 5 kV R.M.S. Load R = 0.5 MΩ. Smoothing condenser = 0.25 µF. For 1 min.	During this period, there must be no sign of softness or discharge between the electrodes.			100%
c	2.0	As test 'b' for 10 minutes.	As test 'b'.			1% (20)
d	2.0	Va (D.C.) only applied for sufficient time to give a steady reading of Ia = 50 mA.	Va (V)	-	200	100%