ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC **CV1260** (NU4)

Specification AD/CV1260/Issue 5. Dated 17.7.47. To be read in conjunction with K1001, ignoring clauses:- 5.2 and 5.8.	SECURITY Specn. Restricted	Valve. Unclassified

TYPE OF VALVE:- Half-wave rectifier.
CATHODE:- Directly heated.
ENVELOPE:- Glass, double-ended bulb.

RATING		Note
Filament Voltage (normal) (V)	14.0	
Max. Filament Voltage (V)	14.5	
Filament current (A)	6.0	
Total emission (mA)	300	
Max. Anode dissipation (W)	150	
Max. Va peak inverse (kV)	14	

MARKING

See K1001/4.

DIMENSIONS AND CONNECTIONS

Leads - See Note A.
Filament - Yellow.
Anode - Red

See K1001 /AI/D3

Dimension	Min.	Max.
A mm	230	260
B mm	117	125
C mm	52	58
F mm	25	-
H mm	100	130

PACKAGING

See K1005.

NOTE.

A. LEADS. The leads are to be made up of six strands of 0.33 mm dia. copper or equivalents and are to be 330 mm in free length. The filament leads are to come through the pinch at one end, and the anode lead either through the other pinch or through the glass bulb. The leads are to be suitably insulated to within 50 mm of the free ends and coloured as above. They shall be bound back to the necks of the valve, the leads at each end being equally spaced around the neck. In the re-entrant part of the seal, the leads are to be protected with glass beads, or glass tubing. The insulation on the leads must not be liable to slip; lead stops may be employed. The methods actually used will be checked at Type Approval or as necessary.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No Tested
	Vf (V)	Va (V)	Ia (A)		Min.	Max.	
a	Insulation (anode to filament) measured with 250 V or 500 V test set			Insulation (A to F)(Megohms)	150	-	100%
b	14.0			If (A)	5.6	6.4	100%
c	14.0	AC 14 kV peak inverse		Sparking Test	There must be no sign of blue glow or deterioration.		100%
d	Adjusted	380	0.4	Dissipation Test	Ia to be steady during last 3 minutes.		100%
	For 10 mins. Vf to be set and not reduced.						