ADMIRALTY SURFACE WEAPONS ESTABLISHMENT

VALVE ELECTRONIC **CV1264.**
(NU12 and AU1)

Specification AD/CV1264/Issue 4 reprint "A"
Dated 24.8.60.
To be read in conjunction with K1001.

SECURITY	
Specification	Valve
Unclassified	Unclassified

TYPE OF VALVE:- Full wave rectifier
CATHODE:- Directly heated.
ENVELOPE:- Glass.
PROTOTYPE:- Formerly U18, now FW4-500.

MARKING

See K1001/4.

BASE
B4
See K1001/AIV/D5.1.

RATING		Note
Filament Voltage (V)	4.0	
Filament Current (A)	3.2	
Max. Applied R.M.S Voltage (V)	500	
Max. Working Peak Inverse (V)	1200	
Max. No Load Peak Inverse (V)	1500	
Max. Mean Anode Current (mA)	250	
Max. Peak Anode Current (mA)	750	
Max. Reservoir Condenser (μF)	4	
Limiting Resistance per Anode introduced externally (including the resistance of the source impedance (ohms)	200	
(Ratings apply to condenser input filter and 50 c.p.s. supply).		

Pin	Electrode
1	Anode 1
2	Anode 2
3	Filament
4	Filament

DIMENSIONS

See K1001/AI/D1

Dimensions	Min.	Max.
A mm	-	145
B mm	-	56

CV1264.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		% Tested	Notes
	Vf (V)	Va (V)	Ia (mA)		Min.	Max.		
a	4.0			If (A)	2.25	4.12	100% or S	
b	4.0		125	Va (D.C) (V)		44	100%	1
c	4.0	Input voltage at anodes = 500-0-500V r.m.s. Frequency = 50 c/s. Reservoir Condenser = 4 µF ± 0.1 µF Effective resistance per anode introduced external to valve (including the resistance component of source impedance) = 200 ohms. DC load = 250 mA		Load Test Output Voltage. (V) Run for one minute - reject for softness or persistent flash-over.	466		100%	2

NOTES

1. Test to be carried out on each anode independently.

2. Test to be carried out in conventional full-wave circuit with condenser input filter.

ELECTRONIC VALVE SPECIFICATIONS
SPECIFICATION AD/CV1264

ISSUE 4 REPRINT A DATED 24TH AUGUST 1960

AMENDMENT NO.1

Page 2. Test Clause "C"

Add "D.C. load = 250 mA" under

"Test Conditions".

September 1960 Admiralty Surface Weapons Establishment

N.33878

16/11/60