VALVE ELECTRONIC **CV2125**

ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

Specification AD/CV2125/Issue 2. Dated 4.2.52. To be read in conjunction with K1001.	SECURITY Specn. Unclassified Valve Unclassified

→ indicates a change

TYPE OF VALVE:- Half wave Xenon filled rectifier.
ENVELOPE:- Glass Unmetallised.
CATHODE:- Directly heated.
PROTOTYPE:- BD78.

MARKING

See K1001/4.

RATING			Note
Filament Voltage	(V)	2.5	
Filament Current	(A)	5.0	A
Max. Working P.I.V.	(V)	2000	
Max. Mean Anode Current	(A)	0.5	
Max. Peak Anode Current	(A)	2.0	

BASE
B4

Pin	Electrode
1	No connection
2	No connection
3	Filament, Cathode
4	Filament
TC	Anode

TOP CAP

See K1001/AI/D5.1.

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.	
A	100	115	←
B	36	40.0	←
L	85	100	←

PACKAGING

See K1005.

NOTE

A. The filament must be run for 20 seconds before applying anode volts.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested	Note
	Vf (V)	Va (V)	Ia (mA)		Min.	Max.		
a	2.5 A.C.	0		If (A)	4.5	5.3	100%	
b	2.5 A.C.	D.C. Ad-jus-ted	500	D.C. Arc Drop Va (V)	5	10	100%	1,2.
c	2.5 A.C.	Vary	-	Striking Voltage (V)	-	15	100%	2.

NOTES

1. The filament must be run for 20 seconds before applying Anode Volts. Operate valve for one minute before taking the reading.

2. Anode voltage must be increased smoothly from zero.