ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELCTRONIC

CV1287 (NR95)

Specification AD/CV1287/Issue 5. Dated 16.7.47. To be read in conjunction with K1001.	SECURITY Speon. Restricted Valve. Unclassified

TYPE OF VALVE:- Output Pentode or Tetrode with Pentode Characteristics.
CATHODE:- Indirectly heated.
ENVELOPE:- Glass - unmetallised.
PROTOTYPE:- KT32.

MARKING
See K1001/4.

BASE
IO
See K1001/AIV/D2.

RATING			Note
Heater Voltage	(V)	26.0	
Heater Current	(A)	0.3	
Max. Anode Voltage	(V)	135	
Max. Screen Voltage	(V)	135	
Max. Anode Dissipation	(W)	10	
Max. Screen Dissipation	(W)	1.35	
Mutual Conductance	(mA/V)	10.0	A

Pin	Electrode
1	No connection
2	Heater
3	Anode
4	Screen Grid
5	Control Grid
6	Pin omitted
7	Heater
8	Cathode

NOTE

A. At Va = Vg2 = 135, Ia = 75 mA.

DIMENSIONS
See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	124
B mm	-	45

PACKAGING
See K1005.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits Min.	Limits Max.	No. Tested
Before the tests are made the valve shall be preheated for 5 minutes with Ih = 0.3 A, Va = Vg2 = 135 V and Ia = 75 mA. If the valve is of pentode construction, the suppressor grid shall be connected to the cathode during preheating and during test.									
	Ih (A)	Va (V)	Vg2 (V)	Vg1 (V)	Ia (mA)				
a	0.3	0	0	0	-	Vh (V)	22.8	29.2	100% or S
b	0.3	135	135	-	75	Vg1 (V)	5.7	10.0	100%
c	0.3	135	135	-	75	Ig2 (mA)	-	10	100% or S
d	0.3	135	135	-	75	Reverse Ig1(μA)	-	2.5	100%
e	0.3	135	135	-	75	gm (mA/V)	7.0	13.0	100%
	Peak grid swing ± 1.0 V.. max.								