

ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

(NT92)

Specification AD/CV1252/Issue 4.

Dated 8.2.52.

To be read in conjunction with K1001,
ignoring clause 5.2.SECURITYSpecification

Unclassified

Valve

Unclassified

→ Indicates a change

TYPE OF VALVE:- Triode.CATHODE:- Directly heated,
theriated tungsten.ENVELOPE:- Glass.PROTOTYPE:- 4212E.MARKING

See K1001/4.

Additional Marking

Serial No.

RATING

Max. D.C. Voltage (V)	3,000
Filament Voltage (V)	14.0
Nom. Filament Current (A)	6.25
Max. Anode Dissipation (W)	275
Total Emission (A)	4.0
Anode Impedance (ohms)	1,900
Amplification Factor	16
Mutual Conductance (mA/V)	8.4

Note

A
A
ABASE

USL4B

See Drawing on Page 3.

CONNECTIONS

See K1001/AIV/D1.1.

Pin	Electrode
1	Anode
2	Grid
3	Filament
4	Filament

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	34.5
B mm	-	91
Y mm	65.2	66.5
Z mm	-	280

PACKAGING

See K1005.

CAPACITANCES
(pF. approx.).

C _{ag}	18.8
C _{af}	8.6
C _{gf}	14.9

NOTEA. $V_a = 2,000 \text{ V}$, $V_g = -90 \text{ V}$.

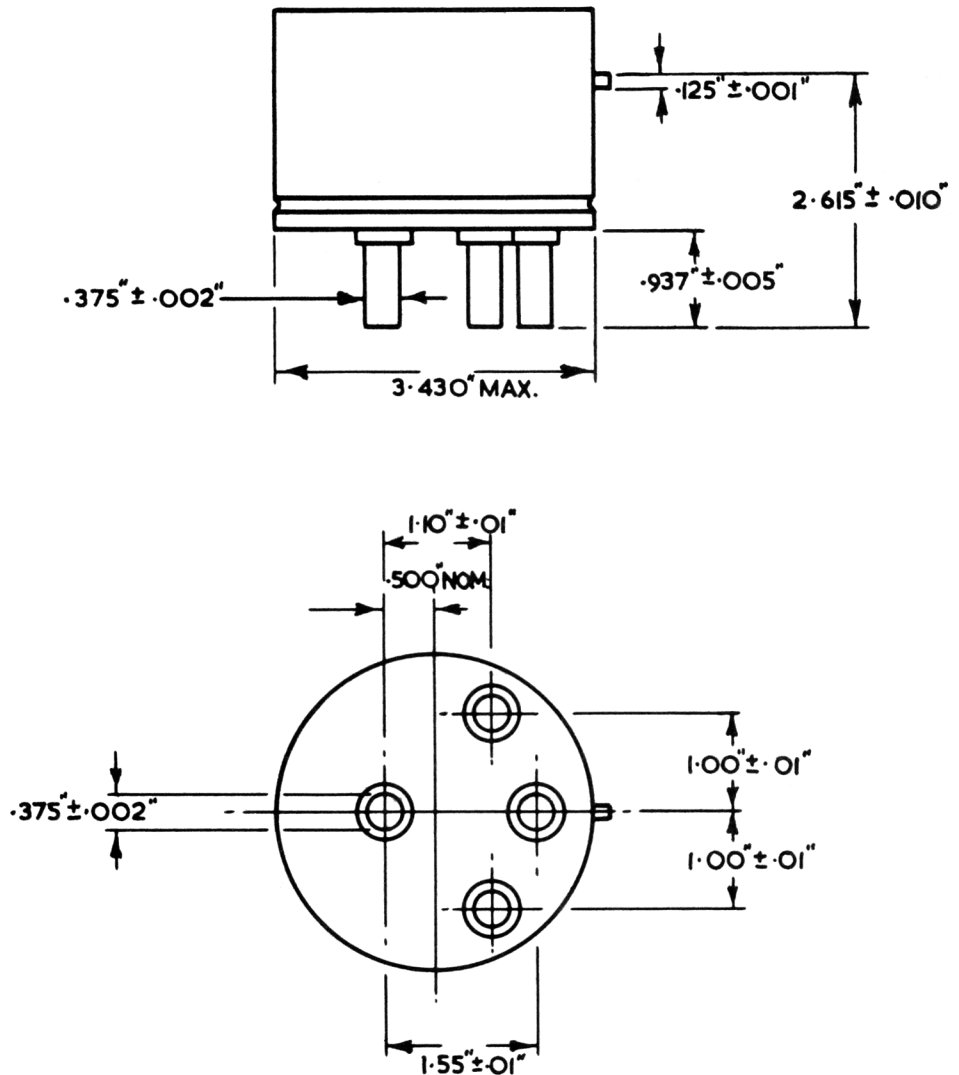
TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested	Notes
	V _f (V)	V _a (V)	V _g (V)	I _a (mA)		Min.	Max.		
a	14.0 A.C. or D.C.	-	-	-	If (A)	5.9	6.6	100%	
b	14.0	1,500 D.C.	Ad- just- ed	200	Reverse I _g				
	These conditions main- tained for 15 minutes; at the end of this time reverse I _g shall not be rising.				at end of test (μA)	-	15	100%	1
c	14.0	1,500 D.C.	-68	-	I _a (mA)	125	190	100%	1
d	14.0	750	750		Peak emission (A)	4	-	100%	1
	See K1001/AV.								

NOTE

1. Voltages V_a and V_g are given with respect to the centre-point of the filament transformer.



NOTE:- ON FINISHED TUBE ADD $.030''$ FOR SOLDER.