MINISTRY OF SUPPLY (D.C.D.)

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Specification MAP/CVX451 Issue 1 Dated 19.10.50. To be read in conjunction with K1001	SECUR Specification UNCLASSIFIED	Confirmations.
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->- Indicates a change Electrometer Triode TYPE OF VALVE MARKING Directly Heated CATHODE See K1001/4 Glass ENVELOPE VX. 3094 PROTOTYPE DIMENSIONS AND CONNECTIONS RATING See Drawing on Page 3. Note 1.25 Filament Voltage 0.025 Filament Current Max. Anode Voltage 70 Mutual Conductance 1.0 Amplification Factor Min. Grid-Cathode 1014 $m(\Omega)$ В resistance CAPACITANCES of 1.7 Cg - all 0.2 Cg - a

NOTES

A. Measured at Va = 6V; Vg = -2.

B. Measured at Va = 6V; Vg = -3.5.

C. Do not finger glass envelope within ½" of leads, and wires are not to be soldered nearer than ½" to the base to avoid contamination of the glass.

TESTS

To be performed in addition to those applicable in K1001

Test Conditions					Test	Idn Min.	nits Max.	No. Tested	Not e	
See K1001/AIII										
	۷h	Va	Ia(µA)	Vg					6 per	
a	1.25	0	0	0	If	(A)	0.021	0.028	week	
Ъ	1.25	6	e+	0	Ia	(μ λ)	250	500	100%	
8	1.25 Vg is to -3		ag from	adjust -1	gna. (μΔΑ/∇)		50	-	100≴	
đ	1.25	6	a .	-3.5	Grid-Cathode Insulation (Ω)		1014	-	100%	1

NOTES

- 1. Insulation is measured by inserting a known high resistance (approximately 10¹² chas into the grid circuit and noting the change in anode current, this permits the grid current and, hence, the grid-cathode insulation, to be calculated.
- The valve should be operated in darkness in a dry container made of metal to serve as an electrostatic screen.

