

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MOS/CV285/Issue 3 Dated:- 28.11.46 To be read in conjunction with K1004 ignoring clauses 2.3 and 2.5.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

→ indicates a change

<u>TYPE OF CELL:-</u> Vacuum type photo- electric cell, double anode.		<u>MARKING</u> See K1001/4	
<u>CATHODE:-</u> Antimony-Caesium <u>ENVELOPE:-</u> Glass <u>PROTOTYPE:-</u> VA35			
		<u>BASE</u> None	
		<u>DIMENSIONS</u> See K1004/D1	
		See drawing page 3.	
	Note		
Min. working voltage (V)	100		
Min. sensitivity (uA/L)	30		
		Dimensions	Min. Max.
		A mm	92 102
		B mm	34 36
		F mm	80 86

TESTS

To be performed in addition to those applicable in K1004

	Test Conditions	Test	Limits		No. tested
			Min.	Max.	
a	The working voltage to be applied (100V) and the cell to be shielded from all sources of light.	Dark current (uA)	-	0.1	100%
b	The cell shall be tested for sensitivity at 100V (working voltage). See Note 1.	Sensitivity (uA/L)	30	-	100%

NOTES

1. The intensity of the light flux falling on the cathode shall be 0.05 lumen.

