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ADMIRALTY SIGNAL ESTABLISHMENT



Specification AD/CV957/Issue 2.	SECURITY		
Dated 1.2.46. To be read in conjunction with K1003.	Specification Restricted	Valve. Restricted	

CONTROL OF THE PROPERTY OF T	Electrostatic. Gas (Argon).			MARKING
SCREEN:-	00s33.			See K1003/7.
PROTOTYPE:-	32E.			
RATING	-		Note	BASE
Filament Voltage	(v)	0.6		8-Pin Bayonet (PB8)
Filament Current	(A)	1.2		
Max. Anode Voltage Va (1	eV)	1.5		
Modulator Voltage (V) (Mes	an)	-1 65		DIMENSIONS AND CONNECTIONS
X-plate sensitivity(mm/	∕₹)	<u>450</u> Va.	A	See Drawing Page 4.
Y-plate sensitivity(nm/	∕ v)	<u>450</u> Va	A	

NOTE

A. Measured at Va = 1000 V.



TESTS

To be performed in addition to those applicable in K1003.

Test Conditions Limits							promote and a	
1	Committee Sharestone Committee on Committee	U. OR STREET, CONTROL OF THE PROPERTY OF THE P		Test		Limits		No.
-	If (A)	Va (kV)	Vg (V)	Bergeron Louis Company and Control of the Control o	MARKATAN TORONTON	Min.	ACT TO SHARE THE PROPERTY OF THE PARTY OF TH	Tested
B	1.25			Vf	(A)	0.6	0.75	100%
Ъ	Vg adjusted for Ia = 150 MA.		Filament Saturation.		A decrease of If by 0.05 A shall not de- crease Ia by more than 10%		100%	
C	applied deflects an open	voltage to to each por plates raster of	air of so that not	(i) Focus brillia		To be worse standa tube.	than a	4000
	less than 60 mm. square is obtained. The trace shall be sharply focussed by adjustment of Vg and filament voltages.		(ii) Vg	(∀)	-140	-1 90	100%	
Vf to be adjusted during test c to the minimum for satisfactory operation. This voltage and the corresponding filament current shall be marked on the tube as follows: - "Minimum filament rating volts amps".								
đ	Adjusted As t est	Andrewson and the second	Adjusted	Ia	(uA)	50	150	100%
A TOTAL AND A TOTA	the tube with Va 900, 110 Vg adjus	ons as in to be op = 300, 50 00 and 130 sted for o on in each	erated 0, 700, 0 V. ptimum	Effect of Va	a .	No deteriora- tion in focus in comparison with "c" (i), shall occur.		100%
f				Angle between X- and Y-planaxes.		870	930	100%

TESTS (CONTD.)

	Test Conditions	Test	Limits		No.		
-			Min.	Max.	Tested		
g	W- 4000 **	Deflection sensitivities (mm/V)					
	Va = 1000 V.	X-plates	<u>400</u> Va	<u>500</u> Va	10% (2)		
		Y-plates	400 Va	<u>500</u> Va			
h	See K1003/5.10	Deviation of spot from the centre of screen (mm)	-	10	100%		
i	With normal If and with Vg set to cut-off, Va shall be increased to 3000 V, for 5 secs.	High Va working.	With co specifi tube sh free fr flash-o	100%			
j	See K1003/5.4.1.	Insulation (M_A_)	200	-	100%		

NOTE -VIEWING THE SCREEN OF THE TUBE WITH THE BASE IN POSITION AS SHOWN 22 RAD A POSITIVE POTENTIAL.

APPLIED TO CONTACT No.4

(X.1) SHALL DEFLECT THE
SPOT TO THE LEFT AND A
POSITIVE POTENTIAL APPLIED
TO CONTACT No.(2)(Y.1) SHALL
DEFLECT THE SPOT UPWARDS. 135± 1 DIA SCREEN DIA 22512 124 4 270 RAD. 36715 40915 63 DIA. [X.1 F Y. 1. Y. 1 | Y.2 (6) Ø X.L 7½± 5° 50.25-1 DIA Ð Ø 7 X.Ź. MOD 42"1 DIA Y.2.