ADMIRALTY SIGNAL ESTABLISHMENT

(NC2)

	Specification AD/CV951/Issue 2.	SECURITY			
-	Dated 1.2.46.	Specification	<u>Valve</u>		
	.To be read in conjunction with K1003.	Restricted	Restricted		

TYPE OF DEFLECTION:-	Electrost			MARKING
TYFE OF FOCUS:-	Gas (Argo	n)		See K1003/7.
SCREEN: -	GGN28			
PROTOTYPE:-	32A			
			T	BASE
	RATING			
			Note	8-pin Bayonet (PB8)
Filament Voltage	(v)	0.6		
Filament Current	(A)	1.2		
Max. Anode Voltage Va	(kV)	1.5		DIMENSIONS AND CONNECTIONS
Modulator Voltage	(V)(Mean)	-165		
X-plate Sensitivity	(mm/V)	<u>450</u> Va	À	
Y-plate Sensitivity	(mm/V)	450 Va	A	See Drawing, Page 3.
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NOTE

A. Measured at Va = 1000 V.

CV951

TESTS
To be performed in addition to those applicable in K100

	Tob	e performed	in addition	to those application	able i	n K1003	•	
	Test Conditions				Limits		No.	
	If (A)	Va (kV)	Vg (V)	Test		Min.	Max.	Tested
a	1.25	-	-	٧f	(V)	0.6	0.75	100 3
ъ	Vg adjusted for Ia = 150 uA.		Saturation		A decrease of If by 0.05 A. shall not de- crease Ia by more than 10%		100%	
C	Adjusted	1.5	Adjusted	(i) Focus and		To be		
	an A.C. voltage to be applied to each pair of deflector plates so that an open raster of not less than 60 mm square is obtained. The trace shall be sharply focussed by			brilliance		worse than a standard tube		
								100%
				(ii) Vg				
				(==,				
		of Vg and fi	Lament					
	voltages.							
Vf	to be adjust	ed during te	st 'c' to th	e minimum for s	atisfa	ctory o	peration	. This
				current shall			the tube	as
10	ollows :- "Mi	nimum filame	nt rating	volts	am			
d	Adjusted	1.5	Adjusted	Ia	(µA)	50	150	100%
	As test 'c'.							
e	Conditions a	s in test 'c	the tube	Effect of Va		No det	eriora-	100,5
	to be operated with Va = 300, 500,		on focus		tion in			
	700, 900, 1	100 and 1300	V; Vg ad-			focus in com-		
	justed for optimum operation in				parison with		13.	
	each case.						'shall	
	TO SEE AND PROCESS OF THE PROCESS OF		i v name angles i little optiv for report with a self-tors of parameters			occur.		
1				Angle between		870	930	100%
				X- and Y-				
		**************************************		plate axes.	William Carried D. o. com			
g	Va = 1000 V.			Deflection				
"	/u = 1000 //		sensitivities (mm/V)					
				X-plates	. , .	400	500	10%
1	ļ .			A-praces		Va	500 Va	(2)
				Y-plates		400		(-/
	1			1 22000		Va	500 Va	
-								
h	h See K1003/5.10.		Deviation of		1			
1	1			spot from				1
1	1			the centre	()		10	100%
-			of screen	(mm)	W: 43			
i	With normal If and with Vg set to		High Va working		With condi- tions speci- fied the tube		100,5	
1	cut-off, Va shall be increased to 3000 V. for 5 secs.						1	
								1
1				shall be free from flash-			1	
1	1						Tasil-	1
-	G 75/207/5			Turnilation	(WO)	over.	T	1000
j	See K1003/5.	4.1.		Insulation	(MQ)	200		100%
Lamonton							_	

CV951/2/ii.

