

ADMIRALTY SIGNAL ESTABLISHMENT

(HR16)

Specification AD/CV1153, Issue No.1, Dated: 26th January, 1945. To be read in conjunction with K1001.	<u>Security</u>	
	<u>Specn.</u> Open.	<u>Valve.</u> Open.

<u>TYPE OF VALVE</u> :- Triode. <u>CATHODE</u> :- Directly heated. <u>ENVELOPE</u> :- Glass, unmetallised. <u>COMMERCIAL PROTOTYPE</u> :- FM254.		<u>MARKING</u>	
		CV1153	
<u>RATING</u>		Note	<u>BASE</u>
Max. Operating Vf (V)	3.8		B4
Approx. If (A)	0.3		Pin Electrode
Max. Va (V)	150		1 Anode
Total Emission (mA)	40		2 Grid
μ	3	A	3 Filament
gm (mA/V)	0.9	A	4 Filament
Ra (ohms)	4,000	A	
<u>CAPACITANCES (pF.)</u>			<u>DIMENSIONS</u>
Ca-g	5.3		See K1001/AL/D1.
			mm. Min. Max.
			A - 115
			B - 47
<u>NOTES</u>			
A. At Va = 75 V, Vg = 0.			
This specification is issued for record purposes only.			

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		% Tested	
	See K1001/AIII					Min.	Max.		
a	Links to H.P.	Links to L.P.	Links to E.		Capacitances (pF.)	4.8	5.8	6 per week	
	1	2	3,4,5,6, 7,8,9,10, TC1, TC2.						
b	Vf (V)	Vg (V)	Va (V)	Ia (mA)	If (A)	-	0.3	100%	
	3.6								
c	3.6	\bar{V}	\bar{V}		\bar{V} (V)	-	100	100%	
	\bar{V} adjusted for $I_e = 40$ mA								
d	3.6	-2	100		Reverse Ig (μ A)	-	0.5	100%	
e	i.	3.6	0	80	x	x-y (mA)	2.5	-	100%
	ii.	3.6	0	70	y				
	iii.	3.6	0	50	z				
f	3.6	-5	70	Read	Difference between this value of Ia and value of y above (mA)	4.5	-	100%	
g	3.6	-5	Adjusted	=y above	Va (V)	85	-	100%	
h	3.6	0	50		Ig	-0.5	0.5	100%	