

ADMIRALTY SIGNAL ESTABLISHMENTVALVE ELECTRONICCV1154
(NR16A)

Specification AD/CV1154/Issue 4. Dated 7.6.46. To be read in conjunction with K1001.	<u>SECURITY</u> Specn. Unclassified Valve Unclassified
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→ Indicates a change.

<u>TYPE OF VALVE</u> :- Triode.			<u>MARKING</u>		
<u>CATHODE</u> :- Directly Heated.			See K1001/4.		
<u>ENVELOPE</u> :- Glass, Unmetallised.					
<u>PROTOTYPE</u> :- PM254.					
<u>RATING</u>			<u>BASE</u>		
			B4		
			See K1001/AIV/D5.1.		
			Note		
Max. Operating Vf	(V)	3.6			
Approx. If	(A)	0.23			
Max. Va	(V)	150			
μ		4.5	A		
g_m (mA/V)		1.95	A		
Ra (ohms)		2300	A		
			<u>DIMENSIONS</u>		
			See K1001/AI/D1.		

NOTESA. At $V_a = 70$ V., $V_g = 0$.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	See K1001/AIII				Capacitances (pF)			
	Links to H.P.	Links to L.P.	Links to E.					
	1	2	3,4,5,6,7, 8,9,10, TC1,TC2.					
b	Vf(V)	Va(V)	Vg(V)	Ia(mA)	If (A)	0.207	0.253	100% or S
	3.6							
c	3.6	100	-6	-	Ia (mA)	13.8	23.0	100%
d	3.6	100	-6	-	Reverse Ig (μA)	-	1.0	100%
e	3.6	100	-6	-	gm (mA/V)	1.35	2.25	100%
f	3.6	$\bar{V}$	$\bar{V}$		$\bar{V}$ (V)	-	90	100%
	Set $\bar{V}$ (Va+Vg) for $I_e = 40$ mA.							