

VALVE ELECTRONIC

CV1154
(NR16A)

ADMIRALTY SIGNAL ESTABLISHMENT

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

→ Indicates a change.

<u>TYPE OF VALVE</u> :- Triode.	<u>MARKING</u> See K1001/4.
<u>CATHODE</u> :- Directly Heated.	
<u>ENVELOPE</u> :- Glass, Unmetallised.	
<u>PROTOTYPE</u> :- FM254.	

<u>RATING</u>		Note	<u>BASE</u> B4 See K1001/AIV/D5.1.		
→ Max. Operating Vf (V)	3.6		Pin	Electrode	
Approx. If (A)	0.23	1	Anode		
Max. Va (V)	150	2	Grid		
μ	4.5	3	Filament		
gm (mA/V)	1.95	4	Filament		
Ra (ohms)	2300	A	<u>DIMENSIONS</u> See K1001/AI/D1.		
		A	Dimension	Min.	Max.
		A	A mm	-	115
		A	B mm	-	47

NOTES

A. At Va = 70 V., Vg = 0.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	See K1001/AIII				<u>Capacitances</u> (pF)			6 per week
	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 (μ A)	-	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 $I_e = 4.0$ mA.							