

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1167/Issue 3. Dated 30.10.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> :- Output Pentode. <u>CATHODE</u> :- Directly Heated. <u>ENVELOPE</u> :- Glass. <u>PROTOTYPE</u> :- FM24A.		<u>MARKING</u> See K1001/4.			
<u>RATING</u>		Note	<u>BASE</u> B5 See K1001/ATV/D5.2.		
Filament Voltage (V)	4.0	A	<u>Pin</u>	<u>Electrode</u>	
Filament Current (A)	0.25		1	A	
Max. Anode Voltage (V)	300		2	G1	
Max. Screen Voltage (V)	200		3	F, G3.	
Mutual Conductance (mA/V)	1.6 Min.		4	F	
			5	G2	
<u>NOTE</u> A. At $V_a = V_{G2} = 150$ V, $V_{G1} = 0$			<u>DIMENSIONS</u> See K1001/AT/D1.		
			<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
			A mm	-	112
			B mm	-	56
			<u>PACKING</u> See K1001/7.		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg2 (V)	Vg1 (V)		Min.	Max.	
a	4.0	-	-	-	I <sub>f</sub> (A)	0.23	0.26	100% or S
b	4.0	150	150	-5	I <sub>g</sub> (μA)	-	1.0	100%
c	4.0	150	150	0	I <sub>a</sub> (mA)	29	58	100%
d	4.0	150	150	-5	I <sub>a</sub> change from value in test 'c' (mA)	8.0	-	100%