

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV181/Issue 3 Dated 14.11.46. To be read in conjunction with K1001.	<u>SECURITY</u> <u>Specn.</u> Secret <u>Valve</u> Unclassified
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<u>TYPE OF VALVE:-</u> Double triode with separate cathodes.			<u>MARKING</u>																					
<u>CATHODE:-</u> Indirectly Heated.			See K1001/4.																					
<u>ENVELOPE:-</u> Glass: clear.																								
<u>PROTOTYPE:-</u> NR73 modified.																								
<u>RATING</u>			<u>BASE</u>																					
			IO																					
			See K1001/AIV/D2.																					
			<table><tr><td>Pin</td><td>Electrode</td></tr><tr><td>1</td><td>G1</td></tr><tr><td>2</td><td>A1</td></tr><tr><td>3</td><td>C1</td></tr><tr><td>4</td><td>G2</td></tr><tr><td>5</td><td>A2</td></tr><tr><td>6</td><td>C2</td></tr><tr><td>7</td><td>H</td></tr><tr><td>8</td><td>H</td></tr></table>			Pin	Electrode	1	G1	2	A1	3	C1	4	G2	5	A2	6	C2	7	H	8	H	
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2	A1																							
3	C1																							
4	G2																							
5	A2																							
6	C2																							
7	H																							
8	H																							
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<u>CAPACITANCES (pF.)</u>			<u>DIMENSIONS</u>																					
Ca ₁ -a ₂ 0.8			See K1001/AI/D1.																					
<u>Triode 1.</u>			<table><tr><td>Dimension</td><td>Min.</td><td>Max.</td></tr><tr><td>A mm</td><td></td><td>118</td></tr><tr><td>B mm</td><td></td><td>46</td></tr></table>			Dimension	Min.	Max.	A mm		118	B mm		46										
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A mm		118																						
B mm		46																						
C _{ag} 4.3			<u>PACKING</u>																					
C _{gc} 4.3																								
C _{ac} 1.6																								
<u>Triode 2.</u>			See K1001/7.																					
C _{ag} 4.3																								
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NOTEA. At $V_a = 250$ V, $V_g = -4.6$ V.

TESTS

To be applied, in addition to those applicable in K1001, to each triode

	Test Conditions			Test	Limits		No. Tested
	V _h (V)	V _a (V)	V _g (V)		Min.	Max.	
a	6.3			I _h (A)	0.85	1.05	100% or S
b	6.3	250	0	I _a (mA)	16.0	23.5	100%
c	6.3	250	-4	I _a (mA)	5.5	9.0	100%
d	6.3	250	-8	I _a (mA)	-	2.0	100%
e	6.3	250	-4	Reverse I _g (μA)	-	1.5	100%
f	6.3	25	25	I _e (mA)	36	-	100%

