

VALVE ELECTRONIC**CV1191**ADMIRALTY SIGNAL ESTABLISHMENT

(NR76)

Specification AD/CV1191/Issue 2. Dated 1.6.46. To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u> Restricted</td><td><u>Valve</u> Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u> Restricted	<u>Valve</u> Unclassified
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<u>TYPE OF VALVE:-</u> Screened Tetrode.			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated.			See K1001/4.		
<u>ENVELOPE:-</u> Glass.			<u>Packaging</u>		
<u>PROTOTYPE:-</u> KTZ41.			See K1001		
<u>RATING</u>		<u>Note</u>	<u>BASE</u>		
Filament Voltage (V) 4.0			B7.		
Filament Current (A) 1.50			See K1001/AIV/D5.3.		
Grid Voltage (V) -2.5			Pin	Electrode	
Screen Voltage (V) 250			1	Blank	
Screen Current (mA) 2.3			2	Anode	
Anode Voltage (V) 250			3	Blank	
Anode Current (mA) 8			4	Heater	
Mutual Conductance (mA/V) 7.5			5	Heater	
Impedance (MΩ) 1			6	Cathode	
Anode dissipation (W) 4.0		7	Screen Grid		
		TC	Control Grid		
<u>CAPACITANCES (pFd.approx.)</u>			<u>TOP CAP</u>		
Grid to anode 0.008		See K1001, App. I, Dwg.No.5			
Anode to other electrodes 10.5		Type D.			
Grid to other electrodes 14.0					
<u>NOTES</u>			<u>DIMENSIONS</u>		
A. $V_a = 250 \text{ V}$, $V_{g2} = 250 \text{ V}$, $I_a = 8 \text{ mA}$.			See K1001/AI/D1.		
B. $V_a = 250 \text{ V}$, $V_{g2} = 250 \text{ V}$, $V_g = -2.5 \text{ V}$.			Dimension	Min.	Max.
			A mm	-	120
			B mm	-	41.5

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg2 (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	4.0	-	-	-	-	If (A)	1.35	1.65	1% (4)
b	4.0	250	250	-	8	Vg (V)	-1.9	-3.1	100%
c	4.0	250	250	-	8	Slope (mA/V)	6.0	9.0	100%
d	4.0	250	250	-	8	Ig2 (mA)	1.75	2.85	100%
e	4.0	250	250	-	8	-Ig (μ A)	-	0.5	100%
f	4.0	250	250	-5.5	-	Ia tail (mA)	-	1.0	100%