

~~VALVE SPECIFICATION~~

CV1191

(NR76)

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1191/Issue 2. Dated 1.6.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	Classification Restricted	Valve Unclassified

<u>TYPE OF VALVE:-</u> Screened Tetrode. <u>CATHODE:-</u> Indirectly heated. <u>ENVELOPE:-</u> Glass. <u>PROTOTYPE:-</u> KTZ41.	<u>MARKING</u> See K1001/4. <u>PACKAGING</u> SEE K1005
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<u>RATING</u>		Note	<u>BASE</u>	
Filament Voltage (V)	4.0		B7. See K1001/AV/D5.3.	
Filament Current (A)	1.50		Pin	Electrode
Grid Voltage (V)	-2.5	A	1	Blank
Screen Voltage (V)	250		2	Anode
Screen Current (mA)	2.3	A	3	Blank
Anode Voltage (V)	250		4	Heater
Anode Current (mA)	8	B	5	Heater
Mutual Conductance (mA/V)	7.5	A	6	Cathode
Impedance (MΩ)	1	A	7	Screen Grid
Anode dissipation (W)	4.0		TC	Control Grid
<u>CAPACITANCES (pFd. approx.)</u>			<u>TOP CAP</u>	
Grid to anode	0.003		See K1001, App. I, Dwg.No.5 Type D.	
Anode to other electrodes	10.5			
Grid to other electrodes	14.0			

<u>NOTES</u>			<u>DIMENSIONS</u>		
A. $V_a = 250 \text{ V}$, $V_{g2} = 250 \text{ V}$, $I_a = 8 \text{ mA}$. B. $V_a = 250 \text{ V}$, $V_{g2} = 250 \text{ V}$, $V_g = -2.5 \text{ V}$.			See K1001/AL/D1.		
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 (μA)	-	0.5	100%
f	4.0	250	250	-5.5	-	Ia tail (mA)	-	1.0	100%