

MINISTRY OF SUPPLY - D.L.R.D.(A)/R.A.E.

Specification MOSA/CV1988 Issue 2 Dated 11.11.1953 To be read in conjunction with K.1001	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>UNCLASSIFIED</td><td>UNCLASSIFIED</td></tr> </table>	SECURITY		Specification	Valve	UNCLASSIFIED	UNCLASSIFIED
SECURITY							
Specification	Valve						
UNCLASSIFIED	UNCLASSIFIED						

—————→ Indicates a change

TYPE OF VALVE - Double Triode					<u>MARKING</u>			
CATHODE - Indirectly heated					See K.1001/4.			
ENVELOPE - Glass, unmetallised					Additional Marking - 6SN7GT			
PROTOTYPE - 6SN7GT					<u>BASE</u> See K.1001/A1/D1 2 M Dimension I.O. (iv) applies			
<u>RATING</u>				Note	<u>CONNECTIONS</u>			
Heater Voltage (V) 6.3				A	Pin	Electrode		
Heater Current (A) 0.6								
Max. Anode Voltage (V) 330				B	1	Control grid (b)		
Mutual Conductance (mA/V) 2.6					2	Anode (b)		
Amplification Factor 20.5				B	3	Cathode (b)		
Max. Anode Dissipation (W) 2.75					4	Control grid (a)		
Max. Cathode Current (per Section) (mA) 20				B	5	Anode (a)		
					6	Cathode (a)		
					7	Heater		
					8	Heater		
<u>CAPACITANCES</u> (pF)					<u>DIMENSIONS</u>			
Ca(a)e 0.8					See K.1001/A1/D1.			
Ca(b)e 1.2								
Cg(a)e 2.8								
Cg(b)e 3								
Ca(a)g(a) 3.8								
Ca(b)g(b) 4								
					Dimension		Min.	Max.
					A mm		-	84.3
					B mm		-	33.5
<u>NOTES</u>								
A. Measured at $V_a = 250$, $V_{g1} = -8$.								
B. Per Section.								

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No. tested	Notes
	Vh	Va	Vg		Min.	Max.		
a	6.3	0	0	Ih (A)	0.55	0.65	100% or S	
b	6.3	250	-8.0	Ia (mA)	5.5	12.5	100%	1
c	6.3	250	-8.0	gm (mA/V)	2.075	3.125	100%	1
d	6.3	250	-8.0	μ	18.0	25.0	20 per week	1
e	6.3	250	-8.0	Reverse Igl (μ A)	-	2.0	100%	1
f	6.3	250	-24.0	Ia (μ A)	-	5.0	100%	1 & 2
g	6.3	90	0	gm (mA/V)	2.40	3.60	100%	1
h	6.3	30	30	Ia (mA)	40.0	-	100%	1

NOTES

1. Tests to be applied to each half of the valve
2. Valves may be accepted with anode currents up to 20 μ I.
provided that the mutual conductance is not greater than
0.5 μ A/V at $V_{g1} = -24.0$.