

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MOS/CV1985 Issue 1. Dated 6.1.53 To be read in conjunction with K1001				SECURITY		
				Specification	Valve	
				Unclassified	Unclassified	
—————> indicates a change						
TYPE OF VALVE: Twin Triode High μ Amplifier				MARKING		
CATHODE: Indirectly Heated				See K.1001/4.		
ENVELOPE: Glass unmetallised						
PROTOTYPE: 6SL7GT						
BASE						
I.O.						
				PLN	CONNECTIONS	
Heater Voltage (V)	6.3			1	G2	
Heater Current (A)	0.3			2	A2	
Max. Anode Voltage (V)	275	C		3	C2	
Max. Anode Dissipation (W)	1.1	BC		4	G1	
Amplification Factor	70	A		5	A1	
Mutual Conductance (mA/V)	1.6	A		6	C1	
Max. Volts H-K (V)	100	C		7	H	
Anode Impedance (ohms)	44,000			8	H	
DIMENSIONS						
See K.1001/A1/D1						
				Dimension	Min.	Max.
				A Min.		84.3
				B Min.		33.5

NOTES

- A. $V_a = 250$ $V_{g1} = -2$
- B. Per Section.
- C. Absolute Maximum Values.

TESTS

To be performed in addition to those applicable in K1001.

TEST CONDITIONS				TEST	LIMITS		NO. TESTED	NOTE
	Vh	Va	Vg		MIN.	MAX.		
a	6.3	0	0	Ih (mA)	275	325	100%	
b	6.3	250	-2	Ia (mA)	1.4	3.2	100%	2
c	6.3	250	-2	gm (mA/V)	1.2	2.0	100%	2
d	6.3	250	-2	μ	55	85	20 per week	
e	6.3	250	-2	Reverse Ig1 (μ A)	-	1.0	100%	1
f	6.3	250	-5.5	Ia (μ A)	-	25	100%	2
g	6.3	30	30	Ie (mA)	40	-	100%	2

NOTES

1. Test units connected in parallel.
2. Test each unit separately.

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