TENTATIVE DATA

12SL7GT

TUNG-SOL

TWIN-TRIODE AMPLIFIER

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE	PIN CONNECTIONS		
BASE INTERMEDIATE SHELL OCTAL 8-PIN	PIN 1 GRID (T2)	PIN 7 HEATER	
CAP NONE	PIN 2 PLATE (T2)	PIN 8 HEATER	
BULB T-9	PIN 3 CATHODE (T2)		
MAXIMUM DIAMETER 1 5/16"	PIN 4 GRID (T1)		
MAXIMUM OVERALL LENGTH 3 5/16"	PIN 5 PLATE (T1)	TOP CAP NONE	
MAXIMUM SEATED HEIGHT 2 3/4"	PIN 6 CATHODE (T1)		

RATINGS

AMPLIFIER – EACH UNIT

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMPS.
MAXIMUM PLATE VOLTAGE	250	VOLTS
MAXIMUM GRID VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	.1	WATTS
MAXIMUM SCREEN DISSIPATION		WATTS

RATINGS ARE TO BE INTERPRETED ACCORDING TO RMA STANDARD M8-210

CAPACITANCES

	TRIODE UNIT T1	TRIODE UNIT T2	
GRID TO CATHODE	3.0	3.4	μμf
PLATE TO CATHODE	3.8	3.2	μμf
GRID TO PLATE	2.8	2.8	μμf
PLATE TO PLATE	0.4		μμf
GRID TO GRID	0.66		μμf
GRID T2 TO PLATE T1	0.13		μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMPS.
PLATE VOLTAGE	250	VOLTS
GRID VOLTAGE	-2	VOLTS
CONTROL GRID VOLTAGE		VOLTS
PEAK AF SIGNAL VOLTAGE		VOLTS
ZERO-SIGNAL PLATE CURRENT	2.3	MA.
ZERO-SIGNAL SCREEN CURRENT		MA.
MAXIMUM-SIGNAL PLATE CURRENT		MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE (APPROX.)	44000	OHMS
TRANSCONDUCTANCE	1600	μMHOS
AMPLIFICATION FACTOR	70	
LOAD RESISTANCE		OHMS
TOTAL HARMONIC DISTORTION		PER CENT
POWER OUTPUT		WATTS
CONTROL GRID VOLTAGE FOR TRANSCONDUCTANCE μMHOS		VOLTS

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PLATE 1318-1

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