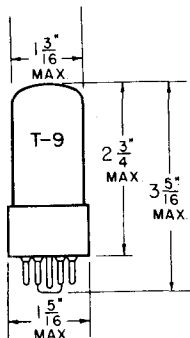


TUNG-SOL

TWIN-TRIODE AMPLIFIER

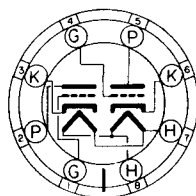


COATED UNIPOTENTIAL CATHODE
6.3 VOLTS 0.6 AMPERE
AC OR DC

IN CIRCUITS WHERE THE CATHODE IS NOT DIRECTLY CONNECTED TO THE HEATER, THE POTENTIAL DIFFERENCE BETWEEN HEATER AND CATHODE SHOULD BE KEPT AS LOW AS POSSIBLE.

GLASS BULB

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL
OCTAL 8 PIN BASE

THE 6SN7GT IS A TWIN LOW MU TRIODE WHOSE SECTIONS ARE ELECTRICALLY INDEPENDENT EXCEPT FOR THE COMMON HEATER. IT IS USEFUL AS OSCILLATOR, CONVERTER, MULTI-VIBRATOR, AS WELL AS AUDIO AMPLIFIER.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

AMPLIFIER - EACH UNIT

MAXIMUM PLATE VOLTAGE	300	VOLTS
MINIMUM GRID VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	2.5	WATTS

DIRECT INTERELECTRODE CAPACITANCES (APPROX.)

WITH CLOSE-FITTING SHIELD CONNECTED TO CATHODE

	TRIODE UNIT T_1	TRIODE UNIT T_2	
GRID TO PLATE	3.8	4.0	μmf
GRID TO CATHODE	2.8	3.0	μmf
PLATE TO CATHODE	.8	1.2	μmf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

PLATE VOLTAGE	90	250	VOLTS
GRID VOLTAGE ^A	0	-8	VOLTS
AMPLIFICATION FACTOR	20	20	
PLATE RESISTANCE	6 700	7 700	OHMS
TRANSCONDUCTANCE	3 000	2 600	μVHOS
PLATE CURRENT	10	9	MA.

^A THE D-C RESISTANCE IN THE GRID CIRCUIT SHOULD NOT EXCEED 1.0 MEGOHM UNDER MAXIMUM RATED CONDITIONS PER UNIT.

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TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

RESISTANCE COUPLED AMPLIFIER

VALUES ARE FOR ONE TRIODE UNIT

PLATE-SUPPLY VOLTAGE	90	180	300	VOLTS
PLATE RESISTOR	0.1	0.1	0.1	MEGOHM
GRID RESISTOR (FOR FOLLOWING STAGE)	0.25	0.25	0.25	MEGOHM
CATHODE RESISTOR	3 940	2 830	2 440	OHMS
CATHODE BY-PASS CONDENSER	1.29	1.35	1.42	μ F
BLOCKING CONDENSER	0.012	0.012	0.0125	μ F
VOLTAGE OUTPUT ^B	17	34	56	PEAK VOLTS
VOLTAGE GAIN ^C	13	14	14	

^B VOLTAGE ACROSS GRID RESISTOR (FOR FOLLOWING STAGE) AT GRID-CURRENT POINT.

^C AT 5.0 VOLTS (RMS) OUTPUT.

SIMILAR TYPE REFERENCE: Some ratings, characteristics and application for each unit, as types 6J5, 6J5G, 6J5GT, 6F8G. Except for heater ratings, characteristics same as types 12SN7GT, 12J7GT, 1633.

