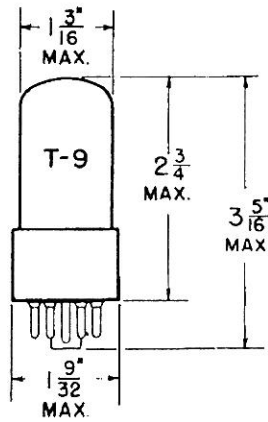


## TUNG-SOL

## DOUBLE TRIODE



GLASS BULB

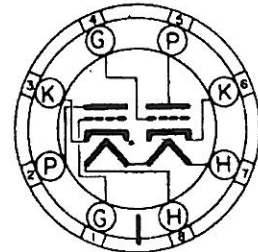
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.30 AMP.

AC OR DC

ANY MOUNTING POSITION



**BOTTOM VIEW**  
INTERMEDIATE SHELL  
8 PIN OCTAL

880

THE 6SL7GT COMBINES TWO INDEPENDENT HIGH-MU TRIODES IN ONE ENVELOPE. IT IS DESIGNED PRIMARILY FOR PHASE INVERTER SERVICE.

## RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM POSITIVE DC GRID #1 VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION (EACH UNIT)	1	WATT

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER - EACH TRIODE UNIT

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.30	AMP.
PLATE VOLTAGE	250	VOLTS
GRID VOLTAGE	-2	VOLTS
PLATE CURRENT	2.3	MA.
PLATE RESISTANCE	44 000	OHMS
TRANSCONDUCTANCE	1 600	μMHOS
AMPLIFICATION FACTOR	70	

**TUNG-SOL**

CONTINUED FROM PRECEDING PAGE

**TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS - CONT'D.**

## RESISTANCE COUPLED AMPLIFIER - EACH TRIODE UNIT\*

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	0.30	0.30	AMP.
PLATE SUPPLY VOLTAGE	90	250	VOLTS
CONTROL GRID VOLTAGE	0	0	VOLTS
PLATE LOAD RESISTOR	200 000	470 000	OHMS
CONTROL GRID RESISTOR	10.0	10.0	MEGOHMS
INPUT CONDENSER	0.01	0.01	$\mu f$
OUTPUT CONDENSER	0.01	0.01	$\mu f$
GRID RESISTOR OF FOLLOWING STAGE	470 000	470 000	OHMS
SIGNAL SOURCE IMPEDANCE (MAX.)	1 000	1 000	OHMS
DISTORTION	5	5	PERCENT
OUTPUT VOLTAGE	8.0	37	VOLTS
VOLTAGE GAIN AT 400 CPS.	34	45	

\*INDICATES AN ADDITION.