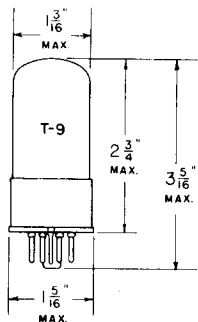


**TUNG-SOL**

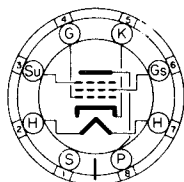


**TRIPLE GRID  
SEMI-REMOTE CUT-OFF AMPLIFIER**

UNI-POTENTIAL CATHODE

HEATER

6.3 VOLTS 0.3 AMPERE  
AC OR DC



8N

BOTTOM VIEW

GLASS BULB

SMALL WAFER 8 PIN OCTAL BASE WITH METAL SHELL

THE TUNG-SOL 6SD7GT IS A TRIPLE GRID SEMI-REMOTE CUT-OFF AMPLIFIER. IT IS DESIGNED FOR SERVICE AS A HIGH GAIN RF AND IF AMPLIFIER.

RATINGS

MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	125	VOLTS
MAXIMUM PLATE DISSIPATION	4	WATTS
MAXIMUM SCREEN DISSIPATION	0.4	WATT

DIRECT INTERELECTRODE CAPACITANCES<sup>s</sup>

INPUT: CONTROL GRID TO ALL OTHER ELECTRODES EXCEPT PLATE	9.0	μμf
OUTPUT: PLATE TO ALL OTHER ELECTRODES EXCEPT CONTROL GRID	7.5	μμf
CONTROL GRID TO PLATE	.0035	MAX. μμf

<sup>s</sup> WITH EXTERNAL SHIELD CONNECTED TO CATHODE.

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

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PLATE  
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## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

PLATE VOLTAGE	100	250	250	VOLTS
SCREEN SUPPLY VOLTAGE	100	100	250	VOLTS
SCREEN VOLTAGE	100	100	125 <sup>A</sup>	VOLTS
CONTROL GRID VOLTAGE	-2	-2	-2	VOLTS
SUPPRESSOR GRID VOLTAGE	0	0	0	VOLT
PLATE CURRENT	5.7	6.0	9.5	MA.
SCREEN CURRENT	2.0	1.9	3.0	MA.
PLATE RESISTANCE APPROX.	0.25	1.0	0.7	MEGOHM
TRANSCONDUCTANCE	3350	3600	4250	μMHOS
CONTROL GRID VOLTAGE	-11	-11	-27	VOLTS

FOR TRANSCONDUCTANCE = 20 μMHOS

<sup>A</sup> OBTAINED THROUGH A SUITABLE VOLTAGE DROPPING RESISTOR.