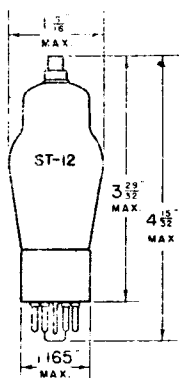


## TUNG-SOL

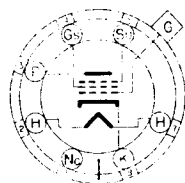


GLASS BULB

TRIPLE GRID  
DETECTOR AMPLIFIER

UNI-POTENTIAL CATHODE

HEATER  
6.3 VOLTS 0.15 AMPERE  
AC OR DC



G-7 Pa  
BOTTOM VIEW

THE TUNG-SOL 6W7G IS A TRIPLE GRID GENERAL PURPOSE DETECTOR AMPLIFIER, WHICH IS DESIGNED FOR SERVICE IN APPLICATIONS THAT REQUIRE A LOW HEATER CURRENT.

## RATINGS

MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	100	VOLTS
MINIMUM EXTERNAL CONTROL GRID BIAS VOLTAGE	0	VOLT
MAXIMUM PLATE DISSIPATION	0.5	WATT
MAXIMUM SCREEN DISSIPATION	0.1	WATT

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

PLATE VOLTAGE	250	VOLTS
SCREEN VOLTAGE	100	VOLTS
CONTROL GRID VOLTAGE	-3	VOLTS
SUPPRESSOR GRID	CONNECTED TO CATHODE AT SOCKET	
PLATE CURRENT	2.0	MA.
SCREEN CURRENT	0.5	MA.
PLATE RESISTANCE APPROX.	1.5	MEG OHMS
TRANSCONDUCTANCE	1225	μMPOS
CONTROL GRID VOLTAGE APPROX. FOR CATHODE CURRENT CUT-OFF	-7	VOLTS

DIRECT INTERELECTRODE CAPACITANCES<sup>S</sup>

CONTROL GRID TO CATHODE	5.0	μf
PLATE TO CATHODE	8.5	μf
CONTROL GRID TO PLATE	0.007 <sup>MAX.</sup>	μf

<sup>S</sup> WITH EXTERNAL SHIELD CONNECTED TO CATHODE. THE INTERNAL SHIELD WITHIN THE DOME OF THE 6W7G IS CONNECTED INTERNALLY TO THE CATHODE.

# 6W7G

