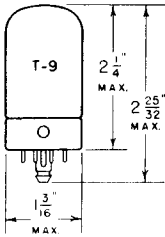
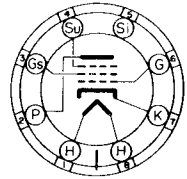


## TUNG-SOL

TRIPLE GRID  
DETECTOR AMPLIFIER



UNIPOTENTIAL CATHODE  
HEATER  
12.6 VOLTS 0.15 AMPERE  
AC OR DC



8V  
BOTTOM VIEW

GLASS BULB

LOCKING-IN 8 PIN BASE

THE TUNG-SOL 14C7 IS A TRIPLE GRID GENERAL PURPOSE DETECTOR, DESIGNED FOR SERVICE IN AC-DC RECEIVERS USING 150 MA. HEATER TUBES. WITH THE EXCEPTION OF HEATER RATINGS ITS ELECTRICAL CHARACTERISTICS ARE IDENTICAL TO THOSE OF THE 7C7.

## RATINGS

NOMINAL HEATER VOLTAGE	14.0	VOLTS
NOMINAL HEATER CURRENT	0.16	AMP.
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	100	VOLTS
MINIMUM EXTERNAL GRID BIAS VOLTAGE	0	VOLT
MAXIMUM PLATE DISSIPATION	1.0	WATT
MAXIMUM SCREEN DISSIPATION	0.1	WATT

DIRECT INTERELECTRODE CAPACITANCES<sup>5</sup>

CONTROL GRID TO CATHODE	6.0	$\mu\text{f}$
PLATE TO CATHODE	6.5	$\mu\text{f}$
CONTROL GRID TO PLATE	0.007 <sup>MAX.</sup>	$\mu\text{f}$

<sup>5</sup> WITH EXTERNAL SHIELD CONNECTED TO CATHODE.

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

CONTINUED NEXT PAGE

## TUNG-SOL

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
SCREEN VOLTAGE	100	100	VOLTS
CONTROL GRID VOLTAGE	-1	-3	VOLTS
SUPPRESSOR GRID AND PIN #5	0	0	VOLT
PLATE CURRENT	5.7	2.2	MA.
SCREEN CURRENT	1.8	0.7	MA.
PLATE RESISTANCE <sup>APPROX.</sup>	.325	1.0	MEGOHM
TRANSCONDUCTANCE	2275	1575	μMHOS