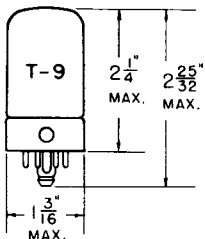


## TUNG-SOL

## TRIODE AMPLIFIER

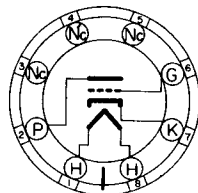
COATED UNIPOTENTIAL CATHODE



HEATER  
6.3 VOLTS 0.3 AMPERE  
AC OR DC

GLASS BULB

LOCKING-IN 8-PIN BASE



BOTTOM VIEW

THE 7A4 IS A MEDIUM-MU GENERAL PURPOSE TRIODE AMPLIFIER WITH HIGH TRANSCONDUCTANCE. IT IS PARTICULARLY APPLICABLE IN ULTRA HIGH FREQUENCY CIRCUITS.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM PLATE DISSIPATION	2.5	WATTS
MINIMUM GRID VOLTAGE	0	VOLTS
MAXIMUM DC HEATER-CATHODE POTENTIAL	100	VOLTS
MAXIMUM CATHODE CURRENT	20	MA.

## DIRECT INTERELECTRODE CAPACITANCES

WITH EXTERNAL SHIELD CONNECTED TO CATHODE

GRID TO PLATE	4.0	$\mu\text{f}$
INPUT	3.4	$\mu\text{f}$
OUTPUT	3.0	$\mu\text{f}$

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS  $A_1$  AMPLIFIER

PLATE VOLTAGE	90	250	VOLTS
GRID VOLTAGE <sup>A</sup>	0	-8	VOLTS
PLATE CURRENT	10	9.0	MA.
PLATE RESISTANCE	6 700	7 700	OHMS
TRANSCONDUCTANCE	3 000	2 600	$\mu\text{MHOS}$
AMPLIFICATION FACTOR	20	20	

<sup>A</sup> THE DC RESISTANCE IN THE GRID CIRCUIT SHOULD NOT EXCEED 1 MEGOHM

