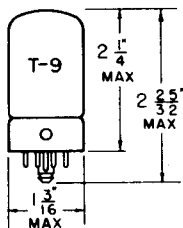


## TUNG-SOL

## DOUBLE TRIODE



GLASS BULB

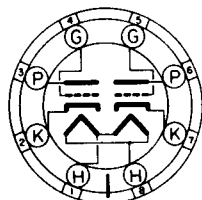
COATED UNIPOTENTIAL CATHODE,

HEATER

6.3 VOLTS 300 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN  
8 PIN BASE  
8AC

THE 7F7 IS A TWIN HIGH-MU TRIODE USING THE LOCK-IN CONSTRUCTION. IT IS DESIGNED FOR USE AS A VOLTAGE AMPLIFIER IN RESISTANCE COUPLED CASCADE OR PHASE INVERTER SERVICE.

## DIRECT INTERELECTRODE CAPACITANCES

WITH RMA #308 SHIELD CONNECTED TO CATHODE

	TRIODE UNIT 1	TRIODE UNIT 2	
GRID TO PLATE: (G TO P)	1.6	1.6	$\mu\text{mf}$
INPUT: G TO (H+K)	2.4	2.4	$\mu\text{mf}$
OUTPUT: P TO (H+K)	2.0	2.0	$\mu\text{mf}$
GRID TO GRID: (G TO G) MAX.		0.2	$\mu\text{mf}$
PLATE TO PLATE: (P TO P) MAX.		1.0	$\mu\text{mf}$

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MINIMUM EXTERNAL GRID BIAS VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION PER UNIT	1	WATT

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS  $A_1$  AMPLIFIER - EACH TRIODE UNIT

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	300	300	MA.
PLATE VOLTAGE	100	250	VOLTS
GRID VOLTAGE	-1	-2	VOLTS
PLATE CURRENT	0.65	2.3	MA.
PLATE RESISTANCE	62 000	44 000	OHMS
TRANSCONDUCTANCE	1 125	1 600	$\mu\text{MHOS}$
AMPLIFICATION FACTOR	70	70	

SIMILAR TYPE REFERENCES: Characteristics are identical to type 6SL70F.

# 7F7 (14F7)

