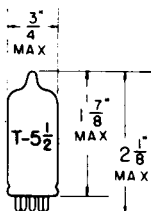


TUNG-SOL**DOUBLE-DIODE TRIODE**

MINIATURE TYPE

**GLASS BULB**

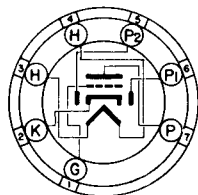
COATED UNIPOTENTIAL CATHODE

HEATER

12.6 VOLTS 0.15 AMP.

AC OR DC

ANY MOUNTING POSITION

**BOTTOM VIEW**MINIATURE BUTTON
7 PIN BASE

7BT

THE 12FM6 IS A DOUBLE DETECTOR DIODE AND MEDIUM MU TRIODE IN THE 7 PIN MINIATURE CONSTRUCTION. THE TWO SECTIONS HAVE A COMMON UNIPOTENTIAL CATHODE. THE TRIODE SECTION IS INTENDED FOR USE AS AN AF VOLTAGE AMPLIFIER INTO A LOW IMPEDANCE LOAD WHERE THE PLATE AND HEATER POTENTIALS ARE OBTAINED DIRECTLY FROM AN AUTOMOTIVE BATTERY.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

GRID TO PLATE: (G TO P)	1.7	$\mu\mu f$
INPUT: G TO (H + K)	2.7	$\mu\mu f$
OUTPUT: P TO (H + K)	1.7	$\mu\mu f$
DIODE TO DIODE	1.1	$\mu\mu f$

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE	12.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	± 30	VOLTS
MAXIMUM PLATE VOLTAGE	30	VOLTS
MAXIMUM CATHODE CURRENT	20	MA.
MAXIMUM AVERAGE DIODE CURRENT	1	MA.
MAXIMUM GRID CIRCUIT RESISTANCE	10	MEG OHMS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A, AMPLIFIER - TRIODE UNIT

HEATER VOLTAGE	12.6	12.6	VOLTS
HEATER CURRENT	0.15	0.15	AMP.
HEATER POTENTIAL	12.6	12.6	VOLTS
PLATE POTENTIAL	12.6	12.6	VOLTS
GRID POTENTIAL	0	----	VOLTS
GRID RESISTOR	0	2.2	MEGOHMS
PLATE CURRENT	1.8	1.0	MA.
TRANSCONDUCTANCE	2400	1300	μ MHOS
PLATE RESISTANCE	5600	7700	OHMS
AMPLIFICATION FACTOR	13.5	10	
DIODE UNITS - TWO			
AVERAGE DIODE CURRENT WITH 10 VOLTS APPLIED (EACH DIODE)		2.0	MA.