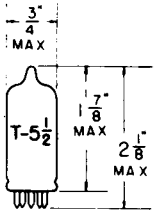
TUNG-SOL

DOUBLE-DIODE TRIODE

MINIATURE TYPE



GLASS BULB

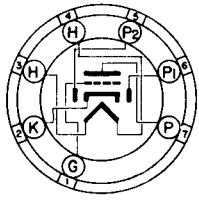
COATED UNIPOTENTIAL CATHODE

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 DIRECTELY FROM AN AUTOMOTIVE BATTERY.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

GRID TO PLATE: (G TO P)	1.7	μμf
INPUT: G TO (H + K)	2.7	μμf
OUTPUT: P TO (H + K)	1.7	μμf
DIODE TO DIODE	1.1	μμf

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	MEGOHMS

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	μMHOS
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.