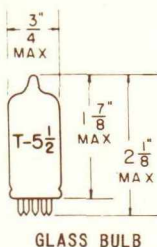


TUNG-SOL

TETRODE

MINIATURE TYPE



GLASS BULB

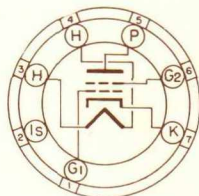
UNIPOTENTIAL CATHODE

HEATER

2.4 VOLTS 0.6±6% AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SMALL-BUTTON
MINIATURE

7 PIN BASE

7FQ

THE 2FV6 IS A SHARP-CUTOFF TETRODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE AS AN RF AMPLIFIER IN VHF TUNERS OF TELEVISION RECEIVERS. THIS TUBE FEATURES HIGH TRANSCONDUCTANCE AND A HIGH RATIO OF PLATE CURRENT TO GRID #2 CURRENT.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

WITH EXTERNAL SHIELD #316 CONNECTED TO CATHODE

GRID #1 TO PLATE (MAX.)	0.03	μf
GRID #1 TO CATHODE, I.S., G2, & H.	4.5	μf
PLATE TO CATHODE, I.S., G2, & H.	3	μf
CATHODE TO HEATER	2.7	μf

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	2.4	VOLTS
MAXIMUM PLATE VOLTAGE	275	VOLTS
MAXIMUM GRID #2 (SCREEN-GRID) SUPPLY VOLTAGE	180	VOLTS
MAXIMUM GRID #2 VOLTAGE	SEE FIG.#3	
MAXIMUM GRID #1 (CONTROL-GRID) VOLTAGE:		
POSITIVE-BIAS VALUE	0	VOLTS
MAXIMUM CATHODE CURRENT	20	MA.
MAXIMUM GRID #2 INPUT:		
FOR GRID #2 VOLTAGES UP TO 90 VOLTS	0.5	WATT
FOR GRID #2 VOLTAGES BETWEEN 90 & 180 VOLTS	SEE FIG.#3	
MAXIMUM PLATE DISSIPATION	2	WATTS
MAXIMUM PEAK HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	200 ^A	VOLTS
MAXIMUM CIRCUIT VALUES:		
GRID #1 CIRCUIT RESISTANCE	0.5	MEGOHM
HEATER WARM-UP TIME (APPROX.)*	11.0	SECONDS

^ATHE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	2.4	VOLTS
HEATER CURRENT	0.6±6%	AMP.
PLATE VOLTAGE	125	VOLTS
GRID #2 (SCREEN-GRID) VOLTAGE	80	VOLTS
GRID #1 (CONTROL-GRID) VOLTAGE	-1	VOLTS
PLATE RESISTANCE (APPROX.)	0.1	MEGOHM
TRANSCONDUCTANCE	8 000	μMHOS
PLATE CURRENT	10	MA.
GRID #2 CURRENT	1.5	MA.
GRID #1 VOLTAGE (APPROX.)		
FOR PLATE CURRENT OF 20 μA.	-6	VOLTS

* HEATER WARM-UP TIME IS DEFINED AS THE TIME REQUIRED FOR THE VOLTAGE ACROSS THE HEATER TO REACH 80% OF ITS RATED VOLTAGE AFTER APPLYING 4 TIMES RATED HEATER VOLTAGE TO A CIRCUIT CONSISTING OF THE TUBE HEATER IN SERIES WITH A RESISTANCE OF VALUE 3 TIMES THE NOMINAL HEATER OPERATING RESISTANCE.

