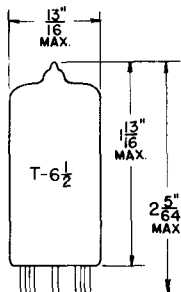


TUNG-SOL

DOUBLE TRIODE

MINIATURE TYPE



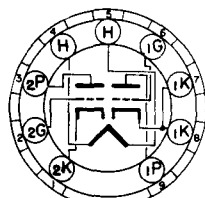
GLASS BULB

HEATER

7.2 VOLTS 0.30 AMP.

ANY MOUNTING POSITION

THE TRIODE ON PINS 6, 7, 8 & 9 SHOULD HAVE GROUNDED CATHODE CONNECTION, AND THAT ON PINS 1, 2, & 3 SHOULD HAVE GROUNDED GRID CONNECTION. IT IS RECOMMENDED THAT PINS 7 & 8 BE STRAPPED.



BOTTOM VIEW

MINIATURE
9 PIN BASE

900

THE 7FC7 IS A FRAME GRID DOUBLE TRIODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE AS A CASCODE AMPLIFIER AT FREQUENCIES UP TO 220 MEGACYCLES PER SECOND. EXCEPT FOR HEATER RATINGS, THE 7FC7 IS IDENTICAL TO THE 6FC7.

DIRECT INTERELECTRODE CAPACITANCES

WITH EXTERNAL SHIELD

PLATE #1 TO PLATE #2 (MAX.)	0.015	$\mu\mu\text{f}$
GRID #1 TO PLATE #2 (MAX.)	0.005	$\mu\mu\text{f}$

GROUNDED CATHODE SECTION:

PLATE TO GRID	1.9	$\mu\mu\text{f}$
INPUT	3.8	$\mu\mu\text{f}$
OUTPUT	2.5	$\mu\mu\text{f}$
GRID TO HEATER (MAX.)	0.3	$\mu\mu\text{f}$

GROUNDED GRID SECTION:

PLATE TO GRID	4.1	$\mu\mu\text{f}$
PLATE TO CATHODE	0.2	$\mu\mu\text{f}$
INPUT	6.3	$\mu\mu\text{f}$
OUTPUT	4.5	$\mu\mu\text{f}$
CATHODE TO HEATER	2.9	$\mu\mu\text{f}$

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM
EACH SECTION

HEATER VOLTAGE	7.2	VOLTS
MAXIMUM PLATE VOLTAGE	130	VOLTS
MAXIMUM PLATE DISSIPATION	1.8	WATTS
MAXIMUM CATHODE CURRENT	22	MA.
MAXIMUM NEGATIVE GRID VOLTAGE	50	VOLTS
MAXIMUM GRID CIRCUIT RESISTANCE (GROUNDED CATHODE SECT.)	1.0	MEGOHMS
MAXIMUM GRID CIRCUIT RESISTANCE (GROUNDED GRID SECT.)	500	KOHMS
MAXIMUM HEATER TO CATHODE VOLTAGE (RMS)	50	VOLTS
MAXIMUM HEATER TO CATHODE VOLTAGE (HEATER NEGATIVE) ^A	180	VOLTS

^A MAXIMUM DC COMPONENT 130 V.

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

CHARACTERISTICS

EACH SECTION

HEATER VOLTAGE	7.2	VOLTS
HEATER CURRENT	0.30	AMP.
PLATE VOLTAGE	90	VOLTS
PLATE CURRENT	15	MA.
GRID VOLTAGE	-1.2	VOLTS
MUTUAL CONDUCTANCE	12 000	μ MHOS
NOISE FACTOR (IN CASCODE CIRCUIT)	5.5	dB