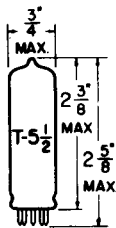


**TUNG-SOL**

**TRIODE**

MINIATURE TYPE



**GLASS BULB**

COATED UNIPOTENTIAL CATHODE

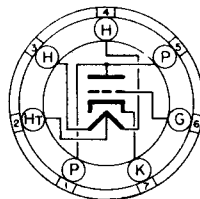
HEATER

12.6 VOLTS                      6.3 VOLTS

0.15 AMP.                      0.3 AMP.

AC OR DC

ANY MOUNTING POSITION



**BOTTOM VIEW**

MINIATURE BUTTON  
7 PIN BASE

70W

THE 12H4 IS A MINIATURE GENERAL PURPOSE TRIODE VOLTAGE AMPLIFIER. FEATURING A HEATER CONSTRUCTION WHICH PERMITS OPERATION AT EITHER 6 OR 12 VOLTS SUPPLY. THIS TUBE IS NOT PARTICULARLY SUITED TO HIGH FREQUENCY SERVICE.

**DIRECT INTERELECTRODE CAPACITANCES**

	WITH SHIELD <sup>A</sup>	WITHOUT SHIELD	
GRID TO PLATE	3.4	3.4	μuf
INPUT	2.6	2.4	μuf
OUTPUT	3.2	0.9	μuf

<sup>A</sup> SHIELD #316 CONNECTED TO CATHODE.

**RATINGS**

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

DESIGN CENTER VALUES.

HEATER VOLTAGE	12.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	±90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM PLATE DISSIPATION	2.5	WATTS

**TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS**

HEATER VOLTAGE	12.6	12.6	VOLTS
HEATER CURRENT	0.15	0.15	AMP.
DC PLATE VOLTAGE	90	250	VOLTS
DC GRID VOLTAGE	0	-8	VOLTS
PLATE CURRENT	10	9	MA.
TRANSCONDUCTANCE	3 000	2 600	μMHOS
AMPLIFICATION FACTOR	20	20	
GRID VOLTAGE FOR 10 μA. PLATE CURRENT	-7	-18	VOLTS

**SIMILAR TYPE REFERENCE:** Electrically similar to 1/2 of type 6SN7GT.

→ INDICATES A CHANGE.

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