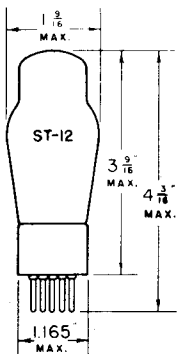


**TUNG-SOL**

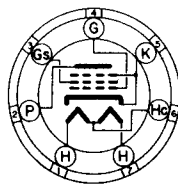


**PENTODE POWER AMPLIFIER**

UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS<sup>A</sup> 0.6 AMPERE  
 12.6 VOLTS<sup>B</sup> 0.3 AMPERE  
 AC OR DC



BOTTOM VIEW

GLASS BULB

SMALL 7 PIN BASE

THE TUNG-SOL 12A5 IS AN OUTPUT PENTODE WITH A CENTER TAPPED HEATER, SO THAT THE HEATER MAY BE OPERATED ON EITHER 6.3 VOLTS OR 12.6 VOLTS.

**RATINGS**

MAXIMUM PLATE VOLTAGE	180	VOLTS
MAXIMUM SCREEN VOLTAGE	180	VOLTS
MAXIMUM PLATE DISSIPATION	8.25	WATTS
MAXIMUM SCREEN DISSIPATION	2.5	WATTS

**TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS**

**CLASS A<sub>1</sub> AMPLIFIER**

PLATE VOLTAGE	100	180	VOLTS
SCREEN VOLTAGE	100	180	VOLTS
CONTROL GRID VOLTAGE	-15	-25	VOLTS
PEAK AF SIGNAL VOLTAGE	15	25	VOLTS
ZERO-SIGNAL PLATE CURRENT	17	45	MA.
ZERO SIGNAL SCREEN CURRENT	3	8	MA.
MAXIMUM-SIGNAL PLATE CURRENT	19	48	MA.
MAXIMUM-SIGNAL SCREEN CURRENT	6.5	14	MA.
PLATE RESISTANCE <sup>APPROX.</sup>	50 000	35 000	OHMS
TRANSCONDUCTANCE	1700	2400	μMHOS
LOAD RESISTANCE	4500	3300	OHMS
TOTAL HARMONIC DISTORTION	12	11	PER CENT
SECOND HARMONIC DISTORTION	8.5	6.5	PER CENT
THIRD HARMONIC DISTORTION	8	8	PER CENT
POWER OUTPUT	0.8	3.4	WATTS

<sup>A</sup> HEATERS CONNECTED IN PARALLEL

<sup>B</sup> HEATERS CONNECTED IN SERIES

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.