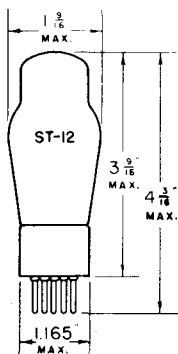


TUNG-SOL



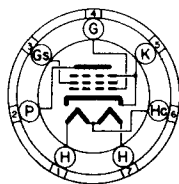
PENTODE POWER AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS^A 0.6 AMPERE12.6 VOLTS^B 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 A₁ 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 ^{APPROX.}	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

^A HEATERS CONNECTED IN PARALLEL^B HEATERS CONNECTED IN SERIES

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