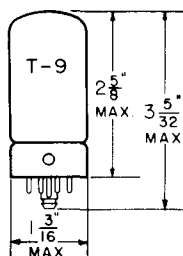


## TUNG-SOL

## BEAM PENTODE



GLASS BULB

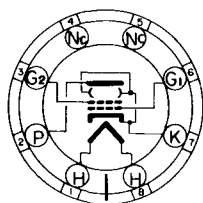
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.75 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN  
8 PIN BASE

6AA

THE 7A5 IS A BEAM POWER AMPLIFIER USING THE LOCK-IN CONSTRUCTION. IT IS DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF AC AND AUTO RECEIVERS.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

|                                                   |     |        |
|---------------------------------------------------|-----|--------|
| HEATER VOLTAGE                                    | 6.3 | VOLTS  |
| MAXIMUM PLATE VOLTAGE                             | 125 | VOLTS  |
| MAXIMUM GRID #2 VOLTAGE                           | 125 | VOLTS  |
| MAXIMUM PLATE DISSIPATION                         | 5.5 | WATTS  |
| MAXIMUM GRID #2 DISSIPATION                       | 1.2 | WATTS  |
| MAXIMUM HEATER-CATHODE VOLTAGE                    | 90  | VOLTS  |
| MAXIMUM GRID #1 CIRCUIT RESISTANCE (CATHODE BIAS) | 0.5 | MEGOHM |
| MAXIMUM GRID #1 CIRCUIT RESISTANCE (FIXED BIAS)   | 0.1 | MEGOHM |

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

|                                |        |         |
|--------------------------------|--------|---------|
| HEATER VOLTAGE                 | 6.3    | VOLTS   |
| HEATER CURRENT                 | 0.75   | AMP.    |
| PLATE VOLTAGE                  | 110    | VOLTS   |
| GRID #2 VOLTAGE                | 110    | VOLTS   |
| GRID #1 VOLTAGE                | -7.5   | VOLTS   |
| PEAK A-F GRID #1 VOLTAGE       | 7.5    | VOLTS   |
| PLATE RESISTANCE (APPROX.)     | 16 000 | OHMS    |
| TRANSCONDUCTANCE               | 5 800  | UMHOS   |
| ZERO-SIGNAL PLATE CURRENT      | 40     | MA.     |
| MAXIMUM-SIGNAL PLATE CURRENT   | 41     | MA.     |
| ZERO-SIGNAL GRID #2 CURRENT    | 3      | MA.     |
| MAXIMUM-SIGNAL GRID #2 CURRENT | 7      | MA.     |
| LOAD RESISTANCE                | 2 500  | OHMS    |
| TOTAL HARMONIC DISTORTION      | 10     | PERCENT |
| POWER OUTPUT                   | 1.5    | WATTS   |

→ INDICATES A CHANGE OR ADDITION.

