

TUNG-SOL

PENTODE

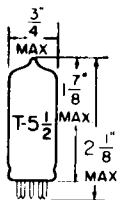
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE

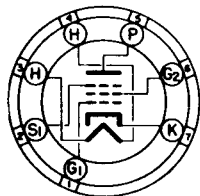
HEATER

6.3 VOLTS 0.3 AMP.
AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

7BK

THE 6BD6 IS A MINIATURE REMOTE-CUTOFF PENTODE DESIGNED FOR USE AS A RADIO-FREQUENCY OR INTERMEDIATE-FREQUENCY AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES

| | WITH SHIELD | WITHOUT SHIELD | |
|----------------------|-------------|----------------|------------------|
| GRID TO PLATE (MAX.) | 0.005 | 0.004 | $\mu\mu\text{f}$ |
| INPUT | 4.3 | 4.3 | $\mu\mu\text{f}$ |
| OUTPUT | 5.0 | 5.0 | $\mu\mu\text{f}$ |

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

DESIGN CENTER VALUES

| | | |
|---|-----|-------|
| HEATER VOLTAGE | 6.3 | VOLTS |
| MAXIMUM PEAK HEATER-CATHODE VOLTAGE: | | |
| HEATER NEGATIVE WITH RESPECT TO CATHODE | 90 | VOLTS |
| HEATER POSITIVE WITH RESPECT TO CATHODE | 90 | VOLTS |
| MAXIMUM PLATE VOLTAGE | 300 | VOLTS |
| MAXIMUM GRID #2 VOLTAGE | 125 | VOLTS |
| MAXIMUM PLATE DISSIPATION | 3.0 | WATTS |
| MAXIMUM GRID #2 DISSIPATION | 0.4 | WATT |
| MAXIMUM CATHODE CURRENT | 14 | MA. |

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

| | | | | |
|-------------------------------|--------------------------------|-------|-------|------------------|
| HEATER VOLTAGE | 6.3 | 6.3 | 6.3 | VOLTS |
| HEATER CURRENT | 0.3 | 0.3 | 0.3 | AMP. |
| PLATE VOLTAGE | 100 | 125 | 250 | VOLTS |
| GRID #3 VOLTAGE | CONNECTED TO CATHODE AT SOCKET | | | |
| GRID #2 VOLTAGE | 100 | 125 | 100 | VOLTS |
| GRID #1 VOLTAGE | -1 | -3 | -3 | VOLTS |
| PLATE CURRENT | 13 | 13 | 9 | MA. |
| GRID #2 CURRENT | 5 | 5 | 3.0 | MA. |
| PLATE RESISTANCE | 0.15 | 0.18 | 0.8 | MEG OHM |
| TRANSCONDUCTANCE | 2 550 | 2 350 | 2 000 | μMHOS |
| GRID VOLTAGE (APPROX.) | | | | |
| FOR $C_m = 10 \mu\text{MHOS}$ | -35 | -45 | -35 | VOLTS |

→ INDICATES A CHANGE.

* INDICATES AN ADDITION.

6BD6

