## TRIODE-PENTODE

**Heater**
- Coated Unipotential Cathodes

**Voltage**
- 25 a-c or d-c volts

**Current**
- 0.15 amp.

**Direct Interelectrode Capacitances:**

**Triode Unit:**
- Grid to Plate: 2.2 \(\mu\)f
- Grid to Cathode: 5.0 \(\mu\)f
- Plate to Cathode: 4.6 \(\mu\)f

**Pentode Unit:**
- Grid to Plate: 0.02 \(\mu\)f
- Inout: 5.5 \(\mu\)f
- Output: 10.0 \(\mu\)f
- Pentode Grid to Triode Grid: 0.02 \(\mu\)f
- Pentode Plate to Triode Grid: 0.075 \(\mu\)f
- Pentode Grid to Triode Plate: 0.009 \(\mu\)f

**Maximum Overall Length:** 3-5/16"
**Maximum Seated Height:** 2-3/4"
**Maximum Diameter:** 1-5/16"
**Bulb:** T-9
**Cap Base**
- Intermediate Shell Octal 8-Pin

### PIN assignments
- Pin 1 - Pentode Cathode
- Pin 2 - Heater
- Pin 3 - Pentode Plate
- Pin 4 - Pentode Screen
- Pin 5 - Triode Plate
- Pin 6 - Triode Cathode
- Pin 7 - Heater
- Pin 8 - Triode Grid
- Cap - Pentode Grid

### BOTTOM VIEW (8T)

#### TRIODE UNIT

**Typical Operation and Characteristics:**
- Plate: 100 volts
- Grid: -1 volt
- Amp. Fact.: 112
- Plate Res.: 75000 ohms
- Transcond.: 1500 \(\mu\)hmhos
- Grid Bias for Plate Cur.- Cut-Off (approx.): -2.5 volts
- Plate Current: 0.6 ma.

### PENTODE UNIT

**Typical Operation and Characteristics:**
- Plate: 100 volts
- Screen: 100 volts
- Grid: -3 volts
- Plate Res.: 185000 ohms
- Transcond.: 2000 \(\mu\)hmhos
- Grid Bias for Transcond. of 2 \(\mu\)hmhos: -41 volts
- Plate Cur.: 7.6 ma.
- Screen Cur.: 2 ma.

*In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.*

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May 1, 1941

TENTATIVE DATA