



## ELECTRONIC TUBE REFERENCE

756

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**TRIODE**

Taylor directly heated carbon-anode transmitting triode for RF oscillator and power-amplifier service. Its early high-vacuum construction, kilovolt plate operation, and moderate plate dissipation provide useful transmitting power.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 4             |
| NOMINAL HEATER      | 7.5 V / 2 A       | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                          |               |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>SECTION 1</b> Triode                                                                                                                  |               |
| PLATE RESISTANCE                                                                                                                         | 2800 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                         | 0.0025 S      |
| AMPLIFICATION FACTOR                                                                                                                     | 8             |
| MAXIMUM PLATE VOLTAGE                                                                                                                    | 1250 V        |
| MAXIMUM PLATE DISSIPATION                                                                                                                | 40 W          |
| <i>Published maximum ratings and characteristics promoted from the approved datasheet; mode-specific values preserved as parameters.</i> |               |

Taylor 756 is a 40-watt carbon-anode triode with a 7.5-volt 2-amp filament, 850-volt plate rating, 110 mA plate current, and amplification factor 20.

## SOURCE OPERATING CONDITIONS

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# 193X Taylor Transmitting

Published test conditions and operating points. Values on this page are preserved as reported by this source.

## 193X TAYLOR TRANSMITTING

## Section 1 · Triode

| OTHER                           |                 |                                                                 |
|---------------------------------|-----------------|-----------------------------------------------------------------|
| PARAMETER                       | PUBLISHED VALUE | CONDITION / NOTE                                                |
| Filament Voltage                | 7.5 V           | Nominal published value                                         |
| Filament Current                | 2 A             | Nominal published value                                         |
| Maximum Operating Plate Voltage | 1250 V          | Class C oscillator / RF power-amplifier service where published |
| Maximum Plate Dissipation       | 40 W            | Published maximum rating                                        |
| Plate to Grid, mmf              | 8 pF            | Published direct interelectrode capacitance                     |
| Grid to Filament, mmf           | 3.5 pF          | Published direct interelectrode capacitance                     |
| Plate to Filament, mmf          | 2.7 pF          | Published direct interelectrode capacitance                     |

| CHARACTERISTICS      |                 |                                  |
|----------------------|-----------------|----------------------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE                 |
| Plate Resistance     | 2800 ohm        | Published general characteristic |
| Mutual Conductance   | 2500 $\mu$ S    | Published general characteristic |
| Amplification Factor | 8               | Published general characteristic |

## SOURCE OPERATING CONDITIONS

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# 1940 Taylor Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

## 1940 TAYLOR TUBES

| CHARACTERISTICS |                 |                   |
|-----------------|-----------------|-------------------|
| PARAMETER       | PUBLISHED VALUE | CONDITION / NOTE  |
| Plate current   | 110 mA          | PlateVoltage=850V |

### TUBE TINKER

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and their source documents.

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