



## ELECTRONIC TUBE REFERENCE

## TW75

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## TRIODE

Thin-wall carbon-anode transmitting triode for high-frequency RF service, fully rated through approximately 60 MHz.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 4             |
| NOMINAL HEATER      | 7.5 V / 4.15 A    | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| SECTION 1 Triode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |
| AMPLIFICATION FACTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20     |
| MAXIMUM PLATE VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2000 V |
| MAXIMUM PLATE DISSIPATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 75 W   |
| MAXIMUM CATHODE CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 175 mA |
| <p><i>Taylor TW75 directly heated 7.5 V, 4.15 A transmitting triode with thin-wall carbon plate, UX4 base, rated 75 W anode dissipation and operation at full ratings up to approximately 60 MHz. Class C telegraphy maximum DC anode current 175 mA, anode voltage 2000 V; Class C telephony has different current and dissipation limits. The 175 mA figure is a mode-specific DC plate-current rating, documented here rather than an unrestricted pulse-emission specification.</i></p> |        |

Thin-wall carbon-anode transmitting triode intended for UHF applications and full-rated operation through 60 MHz.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1940 Taylor Tubes

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

## 1940 TAYLOR TUBES

## Section 1 · Triode

| CHARACTERISTICS           |                 |                                   |
|---------------------------|-----------------|-----------------------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE                  |
| Grid-plate capacitance    | <b>1.8 pF</b>   | Published general characteristics |
| Grid-filament capacitance | <b>3.35 pF</b>  | Published general characteristics |