



ELECTRONIC TUBE REFERENCE

303C

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Taylor directly heated power triode intended particularly for diathermy and RF oscillator service. Its roughly 125 W plate dissipation and kilovolt-class plate rating suit industrial high-frequency generation rather than ordinary receiving or low-power audio applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	4600 Ω
TRANSCONDUCTANCE	0.0045 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	125 W
<i>Published maximum ratings and characteristics promoted from the approved datasheet; mode-specific values preserved as parameters.</i>	

Taylor 303-C is listed in the catalog as a 150-watt diathermy tube; this source page provides no additional electrical characteristics.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	10 V	Nominal published value
Filament Current	4 A	Nominal published value
Maximum Operating Plate Voltage	2000 V	Class C oscillator / RF power-amplifier service where published
Maximum Plate Dissipation	125 W	Published maximum rating
Plate to Grid, mmf	9 pF	Published direct interelectrode capacitance
Grid to Filament, mmf	6 pF	Published direct interelectrode capacitance
Plate to Filament	4 pF	Published direct interelectrode capacitance

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	4600 ohm	Published general characteristic
Mutual Conductance	4500 μ S	Published general characteristic
Amplification Factor	20	Published general characteristic

TUBE TINKER

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and their source documents.

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