



ELECTRONIC TUBE REFERENCE

852

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated transmitting triode for Class C RF power amplification and oscillator service. Rated for 100 W plate dissipation and 3 kV plate voltage, producing approximately 165 W RF output at full ratings to about 30 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	100 W
<i>Published maximum ratings and characteristic values promoted from the approved source.</i>	

Directly heated transmitting triode for RF power amplification and oscillator service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 RCA Transmitting Tubes

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

1938 RCA TRANSMITTING TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	10 V	Nominal
HeaterCurrentNominal	3.25 A	Nominal
Maximum Plate Voltage	3000 V	—
Maximum Plate Dissipation	100 W	—
Maximum Frequency	30 MHz	Published full-rating frequency guidance
RFPowerOutput	165 W	ClassC Telegraphy; 3000 V plate

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	12	Typical