



ELECTRONIC TUBE REFERENCE

6567

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Water-cooled high-power transmitting triode for RF oscillators, RF amplifiers, and Class B audio or modulator service. Approximately 15 kW plate dissipation and 12 kV plate capability support major communications and transmitter installations.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 70 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	33
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	15000 W
MAXIMUM CATHODE CURRENT	2.5 A
<i>Published electrical limits and characteristics promoted from the approved source. Values without an applicable promoted column are retained in TUBE_SECTION_PARAMETER.</i>	

Water-cooled high-power transmitting triode for RF oscillator, RF amplifier, and Class-B audio/modulator service up to 50 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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

1947 WESTINGHOUSE

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6 V	Nominal
HeaterCurrentNominal	70 A	Nominal
MaximumPlateOrOperatingVoltage	12000 V	—
Maximum Plate Dissipation	15000 W	—
Maximum Cathode Current	2.5 A	—
Maximum Frequency	50 MHz	—
MinimumWaterFlow	7 gpm	Cooling
Typical Plate Voltage	10000 V	RF power amplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	33	Typical