



ELECTRONIC TUBE REFERENCE

7982

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-power triode designed for pulse-modulator service, with manufacturer ratings centered on short-duration high-voltage, high-current pulses rather than continuous RF or audio operation. Its intended role is switching or modulating pulsed power in professional equipment.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM PLATE DISSIPATION	35000 W
MAXIMUM CATHODE CURRENT	100 A
Published electrical limits and characteristics promoted from the approved source; non-schema quantities are retained in TUBE_SECTION_PARAMETER.	

Water-cooled low-mu power triode for high-power AF amplifier, modulator, and pulse service.

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
MaximumPlateOrOperatingVoltage	20000 V	—
Maximum Plate Dissipation	35000 W	—
Maximum Cathode Current	100 A	—
DCPlateVoltageContinuousMaximum	10000 V	AF/modulator
PeakPulsePlateCurrentMaximum	88 A	Pulse
PulseLengthMaximum	1000 us	—
DutyFactorMaximum	0.01	—