



ELECTRONIC TUBE REFERENCE

SS1971

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Double-ended water-cooled transmitting triode for high-power RF service. Rated for approximately 15 kW plate dissipation and 12 kV plate voltage, with heavy directly heated construction for large professional transmitter stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	20 V / 64 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	3500 Ω
AMPLIFICATION FACTOR	21
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	15000 W
MAXIMUM GRID DISSIPATION	250 W
Special-valve ratings and characteristics retained as parameters where applicable.	

Double Ended Water Cooled Triode. DOUBLE ENDED WATER COOLED TRIODE.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage minimum	19 V	—
Filament voltage maximum	21 V	—
Total emission	11 A	—
Grid-anode capacitance	20 pF	—
Anode-filament capacitance	55 pF	—
Grid-filament capacitance	8 pF	—

COOLING		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Water flow	5 gallon/min	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode current	2.75 A	—
Maximum anode voltage for anode modulation	9000 V	—
Maximum frequency for full ratings	15 MHz	—
Anode voltage at 22 MHz	10000 V	22MHz
Balanced two-valve maximum signal output	24 kW	ClassB;Audio;TwoTubes