



ELECTRONIC TUBE REFERENCE

TH477

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Vapotron vapor-cooled transmitting power triode for continuous-wave oscillator and audio- or RF amplifier service. Approximately 40 kW plate dissipation and 15 kV capability support major professional transmitter installations.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.2 V / 200 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.03 S
AMPLIFICATION FACTOR	23
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	40000 W
MAXIMUM GRID DISSIPATION	700 W
MAXIMUM CATHODE CURRENT	7 A
<i>Promoted maximum ratings/characteristics mapped semantically from the printed ratings tables; additional published electrical data are preserved in TUBE_SECTION_PARAMETER.</i>	

Vapotron vapor-cooled transmitting triode for CW oscillator and AF/RF amplifier service to 30 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Thomson CSF

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

1972 THOMSON CSF

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Starting Current Maximum	600 A	—
Filament Resistance Cold	0.006 ohm	—
Cathode-Grid Capacitance	64 pF	—
Grid-Anode Capacitance	39 pF	—
Anode-Cathode Capacitance	1.5 pF	—
DC Anode Current Maximum	7 A	—
DC Grid Current Maximum	900 mA	—
Input Power Maximum	90 kW	—
Frequency Full Load Maximum	30 MHz	—