



ELECTRONIC TUBE REFERENCE

TH479

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Vapotron vapor-cooled transmitting power triode for RF power-amplifier operation. Approximately 20 kW plate dissipation and 14 kV capability provide substantial continuous professional radio-frequency power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.2 V / 150 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.02 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	14000 V
MAXIMUM PLATE DISSIPATION	20000 W
MAXIMUM GRID DISSIPATION	500 W
MAXIMUM CATHODE CURRENT	25 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 RF power-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	450 A	—
Filament Resistance Cold	0.007 ohm	—
Cathode-Grid Capacitance	45 pF	—
Grid-Anode Capacitance	21 pF	—
Anode-Cathode Capacitance	0.6 pF	—
DC Anode Current Maximum	4 A	—
Input Power Maximum	40 kW	—
Frequency Full Load Maximum	30 MHz	—