



ELECTRONIC TUBE REFERENCE

TH435

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Supervapotron water-vapor-cooled transmitting triode for audio- and radio-frequency amplification. Approximately 70 kW plate dissipation and 13 kV capability support enormous professional transmitter and modulator power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 240 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.14 S
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	13000 V
MAXIMUM PLATE DISSIPATION	70000 W
MAXIMUM CATHODE CURRENT	15 A
<i>Promoted maximum ratings/characteristics mapped semantically from the printed ratings tables; additional published electrical data are preserved in TUBE_SECTION_PARAMETER.</i>	

Supervapotron water-vapor-cooled transmitting triode for AF/RF amplification 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	—
Cathode-Grid Capacitance	160 pF	—
Grid-Anode Capacitance	60 pF	—
Cathode-Anode Capacitance	2.2 pF	—
DC Anode Current Maximum	15 A	—
Frequency Maximum	30 MHz	—
Typical Anode Voltage	10000 V	—
Typical Output Power	60 kW	—