

ELECTRONIC TUBE REFERENCE

TH485

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Vapotron vapor-cooled high-power transmitting triode for AF and RF amplification. Approximately 65 kW plate dissipation and 15 kV capability support substantial power-amplifier operation in large transmitting and industrial equipment.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	65000 W
MAXIMUM GRID DISSIPATION	1500 W
MAXIMUM CATHODE CURRENT	75 A
Promoted maximum ratings/characteristics mapped semantically from the printed ratings tables; additional published electrical data are preserved in TUBE_SECTION_PARAMETER.	

Vapotron vapor-cooled high-power transmitting triode for AF/RF amplification.

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
DC Anode Current Maximum	16 A	—
DC Grid Current Maximum	2 A	—
Input Power Maximum	180 kW	—
Frequency Full Load Maximum	10 MHz	—
Typical Anode Voltage	12000 V	—
Typical Anode Current	10.7 A	—
Typical Grid Current	1.1 A	—
Typical Output Power	100 kW	—