



ELECTRONIC TUBE REFERENCE

TH338

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled planar high-gain power triode for linear television-translator amplifiers. Roughly kilowatt-class plate dissipation provides substantially greater RF output than smaller translator-service planar triodes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 5.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	2800 V
MAXIMUM PLATE DISSIPATION	1200 W
MAXIMUM CATHODE CURRENT	2.5 A

Forced-air-cooled planar high-gain triode for linear TV translator amplifiers.

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
Operating Frequency	1000 MHz	—
Maximum Anode Voltage	2800 V	—
Maximum Anode Dissipation	1200 W	—
Maximum/Peak Cathode Current	2.5 A	—
Typical Gain	16 dB	780 MHz
Peak Video Power	220 W	TV translator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—
Heater/Filament Current	5.5 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Anode Capacitance	7.7-8.7 pF	—
Grid-Cathode Capacitance	7.7-8.7 pF	—
Cathode-Anode Capacitance	1.6 pF	—