



ELECTRONIC TUBE REFERENCE

TOP1293

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Forced-air-cooled pulsed S-band traveling-wave power amplifier providing more than approximately 300 W peak output with high gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 TravelingWave	
MAXIMUM CATHODE CURRENT	650 mA
<i>Traveling-wave electron-beam device; helix, anode, collector and beam values are preserved in parameters.</i>	

The Thomson-CSF TOP1293 is a forced-air-cooled pulsed s-band traveling-wave amplifier with more than 300 w peak output.

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 · TravelingWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range	2.9–3.1 GHz	—
Heater voltage	6.3 V	—
Heater current	1.25 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rated/minimum output power	300 W	—
Gain at rated/saturated output	43 dB	—
Helix voltage	4.75–5.25 kV	—
Helix current	0–150 mA	—
Anode voltage	4.75–5.25 kV	—
Anode current	0–150 mA	—
Collector voltage	4.75–5.25 kV	—
Cathode current	0–650 mA	—
Collector dissipation	3000 W	—