



ELECTRONIC TUBE REFERENCE

TOP1294

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Rugged ceramic-metal 1-2 GHz traveling-wave power amplifier delivering approximately 200 W with substantial gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.7 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 TravelingWave	
MAXIMUM CATHODE CURRENT	350 mA
<i>Traveling-wave electron-beam device; helix, anode, collector and beam values are preserved in parameters.</i>	

The Thomson-CSF TOP1294 is a rugged ceramic/metal 1-2 ghz traveling-wave power amplifier.

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	1–2 GHz	—
Heater voltage	6.3 V	—
Heater current	2.7 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rated/minimum output power	200 W	—
Gain at rated/saturated output	30 dB	—
Helix voltage	4–4.4 kV	—
Helix current	0–50 mA	—
Anode voltage	3.8–4.4 kV	—
Anode current	0–4.5 mA	—
Collector voltage	2–4.4 kV	—
Cathode current	260–350 mA	—
Collector dissipation	1200 W	—