



ELECTRONIC TUBE REFERENCE

TOP1432

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Rugged ceramic-metal C-band traveling-wave power amplifier covering roughly 4–8 GHz and delivering approximately 200 W.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.45 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 TravelingWave	
MAXIMUM CATHODE CURRENT	300 mA
<i>Traveling-wave electron-beam device; helix, anode, collector and beam values are preserved in parameters.</i>	

The Thomson-CSF TOP1432 is a rugged ceramic/metal 4–8 ghz 200 w 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	4–8 GHz	—
Heater voltage	6.3 V	—
Heater current	2.45 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rated/minimum output power	200 W	—
Gain at rated/saturated output	30 dB	—
Helix voltage	5.6–5.6 kV	—
Helix current	0–30 mA	—
Anode voltage	4.8–4.8 kV	—
Anode current	0–5 mA	—
Collector voltage	4–5.6 kV	—
Cathode current	0–300 mA	—
Collector dissipation	1700 W	—

TUBE TINKER

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and their source documents.

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