

ELECTRONIC TUBE REFERENCE

TH3525

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

High-efficiency long-life traveling-wave amplifier for communications satellites around 11 GHz, providing approximately 20 W output and high saturated gain.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1	TravelingWave
No fixed ratings recorded.	

High-efficiency long-life 11-12 GHz TWT for communications satellites.

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	10.95-11.70 GHz	—
RF Output Power	≥ 20 W	—
Gain	≥ 55 dB	—
Saturation Gain Minimum	55 dB	—
Small-Signal Gain Minimum	60 dB	—
Overall Electrical Efficiency Minimum	40 percent	—
Typical Overall Efficiency	43 percent	—
Useful Cathode Life	200000 h	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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