

ELECTRONIC TUBE REFERENCE

TH3513

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Compact Ku-band traveling-wave amplifier for airborne equipment, covering approximately 12.7-13.25 GHz with watt-level output and high gain.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1	TravelingWave
MAXIMUM CATHODE CURRENT	22 mA

Compact Ku-band TWT for airborne equipment.

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	12.7-13.25 GHz	—
Heater Voltage	6.3 V	—
RF Output Power	>=2 W	—
Gain	>=40 dB	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode/Beam Current	22 mA	—
Warm-up Time	3 min	—
Collector Dissipation Maximum	35 W	—
Load VSWR Maximum	3	—
Helix Current Maximum	2 mA	—

TUBE TINKER

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and their source documents.

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