



ELECTRONIC TUBE REFERENCE

TOP1487B

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

High-power C-band continuous-wave traveling-wave amplifier for satellite earth stations, rated above approximately 1.5 kW saturated output.

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

SECTION 1 TravelingWave

No fixed ratings recorded.

Traveling-wave electron-beam device; specialized voltages/currents retained in parameters.

The Thomson-CSF TOP1487B is a high-power c-band cw traveling-wave tube for satellite earth stations, rated above 1.5 kw saturated output.

SOURCE OPERATING CONDITIONS

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	5.925–6.425 GHz	—
Cooling	Forced air	—
Service	Satellite earth station	—
Operation mode	CW	—
Focused by	Integral electromagnet	—
RF band	C band	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Saturated output power minimum	1500 W	—
Gain at full power	35 dB	—
Efficiency	25 %	—