

ELECTRONIC TUBE REFERENCE

F4064A

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-noise traveling-wave amplifier for 1.2-1.4 GHz telecommunications service, offering at least 25 dB gain and a 4.5 dB maximum noise figure.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	TravelingWave
No fixed ratings recorded. Specialized microwave-device ratings are preserved densely in TUBE_SECTION_PARAMETER because the locked promoted columns do not directly represent beam/helix/collector/magnetron pulse ratings.	

Low-noise traveling-wave-tube amplifier, 1.2-1.4 GHz, for telecommunications.

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	1.2–1.4 GHz	—
Heater Current	300 mA–600 mA	—
Beam Voltage	300 V	—
Beam Current	4–8 mA	—
Small Signal Gain Minimum	25 dB	—
Saturated Output Power	0.08–0.5 mW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Noise Figure Maximum	4.5 dB	Frequency=1.2-1.4GHz
Input VSWR Maximum	1.7 ratio	—
Output VSWR Maximum	2 ratio	—
Warm-up Time Minimum	3 min	—