



ELECTRONIC TUBE REFERENCE

D2023

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Rugged metal-ceramic 4–8 GHz pulsed traveling-wave power amplifier with control grid, designed for kilowatt-class peak operation and about 30 dB gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 TravelingWave

No fixed ratings recorded.

Applicable promoted fields mapped semantically from the printed ratings; device-specific electrical limits and operating conditions are preserved densely in TUBE_SECTION_PARAMETER.

Rugged metal-ceramic 1-kilowatt pulsed traveling-wave tube, 4.0–8.0 GHz, with control grid.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1962 ITT

Section 1 · TravelingWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range	4–8 GHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control-Grid Capacitance	22 pF	—
Anode Voltage Maximum	10000 V	—
Helix Current Maximum	350 mA	—
Collector Dissipation Maximum	240 W	—
RF Input Power Maximum	5 W	—
Duty Cycle Maximum	0.01	—
Grid Voltage Negative Maximum	-200 V	—
Grid Voltage Positive Maximum	400 V	—
Grid Current Maximum	300 mA	—
Gain	30 dB	—

TUBE TINKER

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and their source documents.

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