

ELECTRONIC TUBE REFERENCE

F4114

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Millimetric Carcinotron backward-wave oscillator centered near 330 GHz, with water cooling and approximately 5 mW continuous RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.2 V / 2.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	TravelingWave
No fixed ratings recorded. Published source values promoted where applicable; additional electrical, RF, pulse and cooling data retained as parameters.	

Integral-magnet Carcinotron backward-wave oscillator centered near 330 GHz with milliwatt-level continuous output.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · TravelingWave

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Center frequency	330 GHz	—
Continuous RF output	5 mW	CW

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Water	—

TUBE TINKER

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and their source documents.

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