

ELECTRONIC TUBE REFERENCE

F4109

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Water-cooled permanent-magnet Carcinotron backward-wave oscillator covering 80–90 GHz, with at least 100 mW millimeter-wave 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
<p>No fixed ratings recorded.</p> <p>Published source values promoted where applicable; additional electrical, RF, pulse and cooling data retained as parameters.</p>	

Integral-magnet Carcinotron backward-wave oscillator covering 80–90 GHz with at least 100 mW 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
Frequency minimum	80 GHz	—
Frequency maximum	90 GHz	—
RF output minimum	100 mW	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Water	—
Focusing method	Permanent magnet	—

TUBE TINKER

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and their source documents.

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