

ELECTRONIC TUBE REFERENCE

C040

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Integral-magnet Carcinotron backward-wave oscillator centered near 70 GHz, electronically tunable with watt-level output reaching about 10 W over narrow bandwidth.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.8 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>Backward-wave/Carcinotron microwave oscillator section; frequency, line-voltage, power and modulation data retained as parameters.</p>	

Integral-magnet Carcinotron backward-wave oscillator centered near 70 GHz with watt-level 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

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Device class	Backward-wave oscillator / Carcinotron	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Electronically tunable microwave oscillator	—

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Center frequency	70 GHz	—
RF output minimum over 5-7% band	2 W	—
RF output typical	5 W	—
RF output maximum narrow band	10 W	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker