



ELECTRONIC TUBE REFERENCE

F4143

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

High-power Carcinotron backward-wave oscillator centered near 40 GHz, producing continuous microwave output above 20 watts over a narrow tuning band.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 TravelingWave

No fixed ratings recorded.

Published source values promoted where applicable; additional electrical, RF, pulse and cooling data retained as parameters.

High-power Carcinotron backward-wave oscillator centered near 40 GHz with continuous output above 20 W in a narrow tuning band.

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	40 GHz	—
Continuous RF output minimum over 5 percent band	10 W	CW
Continuous RF output maximum narrow band	20 W	CW

TUBE TINKER

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