ELECTRONIC TUBE REFERENCE

F4110

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Water-cooled permanent-magnet Carcinotron backward-wave oscillator covering 37–50 GHz, with at least 20 mW millimeter-wave output.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	7 V / 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 covering approximately 37–50 GHz with at least 20 mW output.

SOURCE OPERATING CONDITIONS

1958 Compagnie General

SOURCE PDF

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	**37 GHz**	—
Frequency maximum	**50 GHz**	—
RF output minimum	**20 mW**	—

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

Tube Tinker

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

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