

ELECTRONIC TUBE REFERENCE

C0201

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
TRAVELINGWAVE

Integral-magnet Carcinotron backward-wave oscillator for electronically tunable millimeter-wave generation near 135 GHz, providing approximately 1 W RF output.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 900 mA    | 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> |               |

Carcinotron backward-wave microwave oscillator with integral magnet for electronically tunable millimeter-wave service.

## SOURCE OPERATING CONDITIONS

# 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 | 135 GHz         | —                |
| RF output        | 1 W             | —                |

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and their source documents.

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