

Product Search Data Sheet

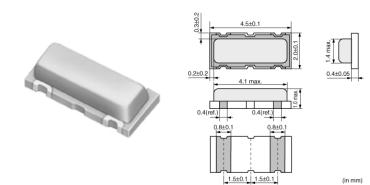
# CDSCB10M7GF107S-R0

discontinued RoHS REACH

### Applications

Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
Specific Applications	Consumer equipment
	Please refer to Our Website and
	specifications, etc. for information about
	the performance, functions, quality,
	management, and safety required for
	the above applications, and use
	Products after confirming the
	performance and reliability of the actual
	Product.

### Appearance & Shape



Note: This datasheet may be out of date. Please download the latest datasheet of CDSCB10M7GF107S-R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=CDSCB10M7GF107S-R0

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
R0	180mm Embossed Tape	2000



CDSCB10M7 series forms a resonator on a piezoelectric ceramic substrate. In combination with ICs, this type obtains stable demodulation characteristics in a wide bandwidth.They have 1.0mm max.thickness and small mounting area(4.5x2.0mm).

### Features

1. Compact and high reliability and recommended for automotive applications.

2. Can be combined with various ICs. The IC is determined by the last number in the part number.

3. Stable demodulation characteristics can be obtained without adjustment.

- 4. Stable temperature characteristics
- 5. Available lead (Pb) free solder reflow.

1 of 3

#### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued

without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering





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## Specifications

Operating Temperature Range	-20°C to 80°C
Shape	SMD
Elements	1
Center Frequency	10.700MHz
Nominal Center Value	Yes
Recovered Audio 3dB BW	fn±80kHzmin.
Distortion(max.)	3%
Area of Distortion	[at fn]
Recovered Audio Output	52mVmin.
IC	TA31272FN
IC Maker	TOSHIBA
Detection Method	quadrature type
Mass	21.84mg

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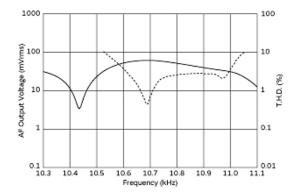


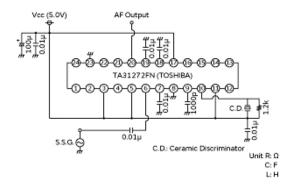
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**Frequency Characteristics** 

Measurement Circuit

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