

# WMRAG32K76CS1C00R0

Discontinued

RoHS

REACH

## Applications

Unsuitable Applications	Please be sure to read and comply with 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.

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
R0	180mm Plastic Tape	5000
R1	180mm Plastic Tape	1000

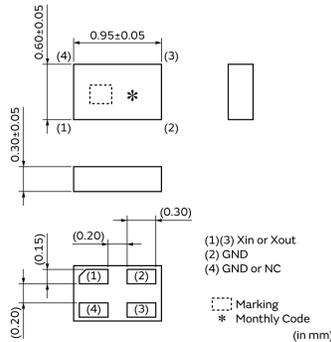
## Features

MEMS technology was used to realize the world's smallest size resonator with very low ESR characteristics that is currently unachievable by quartz crystal resonators.

### Features

1. The MEMS resonator is extremely small size (0906), and contribute to reduction in mounting area.
2. The MEMS resonator with low ESR is realized lower power consumption by optimizing IC gain.
3. It is available for reflow soldering, wire bonding and transfer molding.

## Appearance & Shape



### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

# WMRAG32K76CS1C00R0



## Specifications

Product Type	MEMS Resonator
Series	WMRAG
Frequency	32.7680kHz
Frequency Tolerance	+/-20ppm max. (+25+/-1°C)
Operating Temperature Range	-30°C~85°C
Frequency Shift by Temperature	-150 to +10ppm max.
Frequency Aging	+/-3ppm max./year
Equivalent Series Resistance (ESR)	75kohm max.
Drive Level (DL)	0.2μW max.
Load Capacitance (Cs)	8pF
Built-in Load Capacitance (CL1/CL2)	6.9pF
Shape	SMD
Wash	Not available (Please be sure to consult with our sales representative or engineer whenever and prior to using the products.)
L x W (size)	0.9x0.6mm
Mass	0.4mg

### 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.