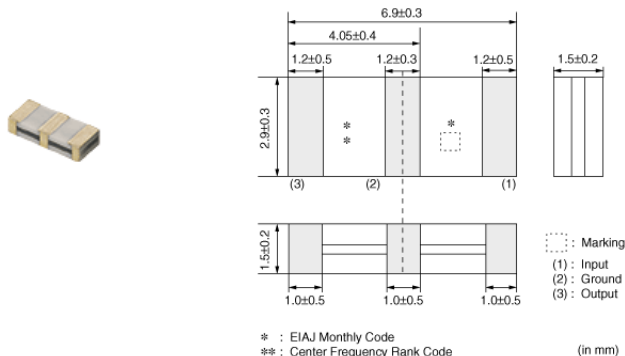


# SFECV10M7CQ0C01-R0

In Production RoHS REACH

## Appearance & Shape



## Features

SFECV10M7 series for FM receivers are monolithic type ceramic filters that utilize the thickness expander mode of piezoelectric ceramics. SFECV series enable customers to make an AM/FM set very thin, and it can be useful to the total chip circuit.

### Features

1. The piezoelectric element is sandwiched by heat resistant substrate, thus it has excellent mechanical strength, and it is suitable for automatic mounting.
2. Various bandwidths are available. Select a suitable type in accordance with the desired selectivity.
3. Operating Temperature Range:  $-20$  to  $+80$  (degrees C), Storage Temperature Range:  $-40$  to  $+85$  (degrees C)

## Applications

Other Usage Audio Visual Equipment

## Packaging Information

| Packaging | Specifications      | Minimum Order Quantity |
|-----------|---------------------|------------------------|
| R0        | 180mm Embossed Tape | 2000                   |

### 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.

# SFECV10M7CQ0C01-R0



## Specifications

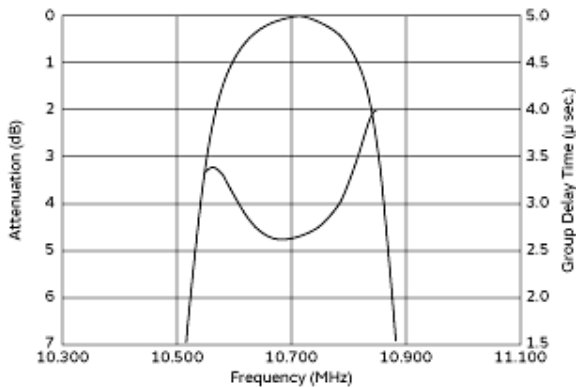
|                             |                                         |
|-----------------------------|-----------------------------------------|
| Operating Temperature Range | -20°C to 80°C                           |
| Shape                       | SMD                                     |
| Elements                    | 2                                       |
| Center Frequency            | 10.700MHz                               |
| Center Frequency Tolerance  | ±40kHz                                  |
| Nominal Center Value        | No                                      |
| 3dB Bandwidth               | 500kHz±40kHz                            |
| Stop Bandwidth              | 950kHz                                  |
| Area of Stop Bandwidth      | [within 20dB]                           |
| Spurious Attenuation        | 20dB[within 5MHz to fo]                 |
| Insertion Loss              | 2.0dB+2.0/-1.0dB(at minimum loss point) |
| Ripple                      | 1.5dBmax.(at minimum loss point)        |
| Input/Output Impedance      | 470Ω                                    |

### Attention

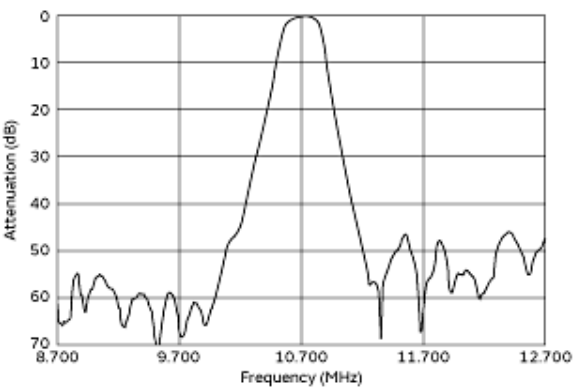
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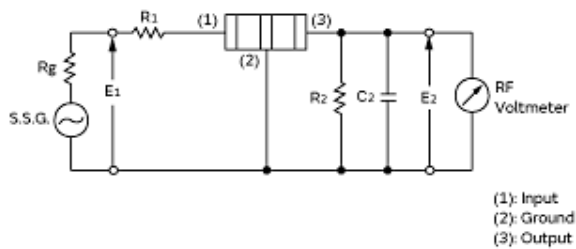
## Product Data



Frequency Characteristics



Spurious Response



$R_g = 50\Omega$   $R_1 = 420\Omega \pm 5\%$   $R_2 = 470\Omega \pm 5\%$   
 $C_2 = 10 \pm 2$  pF (Including stray capacitance and input capacitance of RF Voltmeter)  
E1: S.S.G. Output Voltage

Measurement Circuit

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