

### **Product Search Data Sheet**

Please download the latest datasheet of SFECF10M7FF00-R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=SFECF10M7FF00-R0

Note: This datasheet may be out of date.

# SFECF10M7FF00-R0









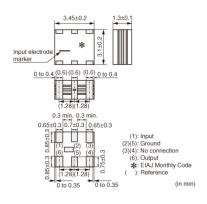
## **Applications**

| Unsuitable               | Please be sure to read and comply with     |  |
|--------------------------|--|--|
| Applications             | these "Precautions for use."               |  |
| Specific<br>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







## **Packaging Information**

| Packaging | Specifications      | Standard<br>Packing<br>Quantity |
|-----------|---------------------|---------------------------------|
| R0        | 180mm Embossed Tape | 2000                            |



### **Features**

SFECF10M7 series for FM receivers are small, high-performance and super thin (1.4mm max.) filters. The piezoelectric element is sandwiched by the ceramics substrate. They have 1.4mm max. thickness and a small mounting area (3.45x3.1mm). SFECF series and CDSCB series (MHz Discriminator) enable customers to make VICS/RKE/TPMS set very thin and small.

### Features

- 1. The filters are mountable by automatic placers.
- 2. They are slim, at only 1.4mm max. thickness, and have a small mounting area (3.45x3.1mm) enabling flexible PCB design.
- 3. Various bandwidths are available. Select a suitable type in accordance with the desired selectivity.
- 4. Operating Temperature Range: -20 to +80 (degrees C), Storage Temperature Range: -40 to +85 (degrees C)

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# **Specifications**

| Operating Temperature Range | -20°C to 80°C                            |
|-----------------------------|--|
| Shape                       | SMD                                      |
| Elements                    | 2  |
| Center Frequency            | 10.700MHz                                |
| Nominal Center Value        | Yes                                      |
| 3dB Bandwidth               | fn±65kHzmin.                             |
| Stop Bandwidth              | 620kHz                                   |
| Area of Stop Bandwidth      | [within 20dB]                            |
| Spurious Attenuation        | 30dB[within 9MHz to fn]                  |
| Insertion Loss              | 7.0dBmax. [at fn](at minimum loss point) |
| Ripple                      | 1.0dBmax.(at minimum loss point)         |
| Input/Output Impedance      | 330Ω                                     |
| Mass                        | 65mg                                     |

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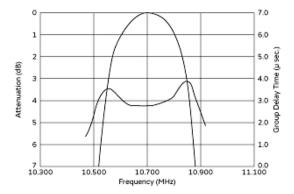
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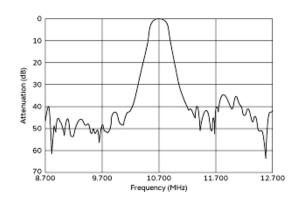
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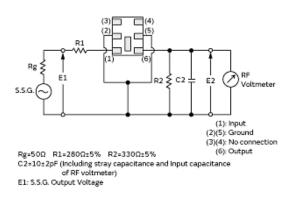
### **Product Data**





### Frequency Characteristics

Spurious Response



Measurement Circuit

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