

### **Product Search Data Sheet**

Note: This datasheet may be out of date. Please download the latest datasheet of SFECF10M7GA00-R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=SFECF10M7GA00-R0

# SFECF10M7GA00-R0









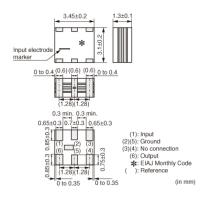
## **Applications**

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







## Packaging Information

Packaging	Specifications	Standard Packing 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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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	2	
Center Frequency	10.700MHz	
Center Frequency Tolerance	±30kHz	
Nominal Center Value	No	
3dB Bandwidth	230kHz±50kHz	
Stop Bandwidth	510kHz	
Area of Stop Bandwidth	[within 20dB]	
Spurious Attenuation	30dB[within 9MHz to fo]	
Insertion Loss	3.5dB±2.0dB(at minimum loss point)	
Ripple	1.0dBmax.(at minimum loss point)	
Input/Output Impedance	330Ω	
Mass	65mg	

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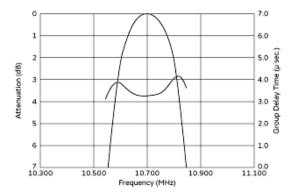
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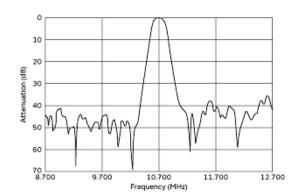
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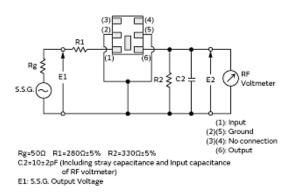
## **Product Data**





### Frequency Characteristics

Spurious Response



Measurement Circuit

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