

# CERAFIL® (Filters/Traps/Discriminators) for Audio/Visual Equipment

**muRata**

## CERAFIL® 10.7MHz Chip Type SFECV Series

3

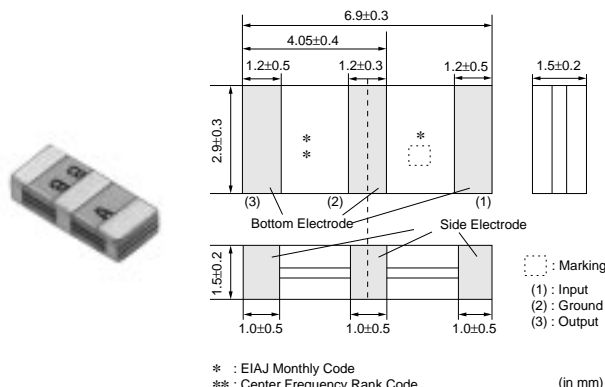
SFECV10M7 series for FM-receivers are monolithic type ceramic filters which utilize the thickness expander mode of the piezoelectric ceramic. SFECV series and PFWCC(kHz filter for AM receiver) enable customers to make AM/FM set so thin, and it can be of help to the total chip circuit.

### ■ Features

1. Piezoelectric element is connected in the sandwich shape 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.

### ■ Applications

1. Small, thin radios
2. Automotive radios
3. Headphone stereos



Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Input/Output Impedance (ohm)
SFECV10M7KA00-R0	10.700 ±30kHz	110 ±30kHz	320 max.	6.0 ±2.0dB	35 min.	330
SFECV10M7JA00-R0	10.700 ±30kHz	150 ±40kHz	380 max.	5.5 ±2.0dB	35 min.	330
SFECV10M7HA00-R0	10.700 ±30kHz	180 ±40kHz	470 max.	4.0 ±2.0dB	35 min.	330
SFECV10M7GA00-R0	10.700 ±30kHz	230 ±50kHz	510 max.	3.5 ±2.0dB	35 min.	330
SFECV10M7FA00-R0	10.700 ±30kHz	280 ±50kHz	590 max.	3.0 ±2.0dB	35 min.	330

Attenuation Bandwidth : at 20dB loss point      Area of Spurious Attenuation : [within 9MHz to 12MHz]

Insertion Loss: at minimum loss point

Center frequency (fo) defined by the center of 3dB bandwidth.

The order quantity should be an integral multiple of the "Minimum Quantity" shown in the package page.

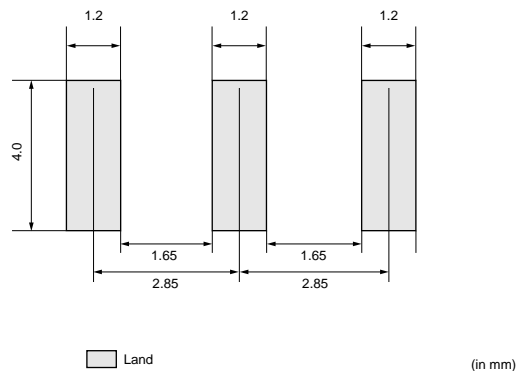
### ■ Standard Center Frequency Rank Code

CODE	30kHz Step	25kHz Step
D	10.64MHz±30kHz	10.650MHz±25kHz
B	10.67MHz±30kHz	10.675MHz±25kHz
A	10.70MHz±30kHz	10.700MHz±25kHz
C	10.73MHz±30kHz	10.725MHz±25kHz
E	10.76MHz±30kHz	10.750MHz±25kHz
Z	Combination A,B,C,D,E	
M	Combination A,B,C	

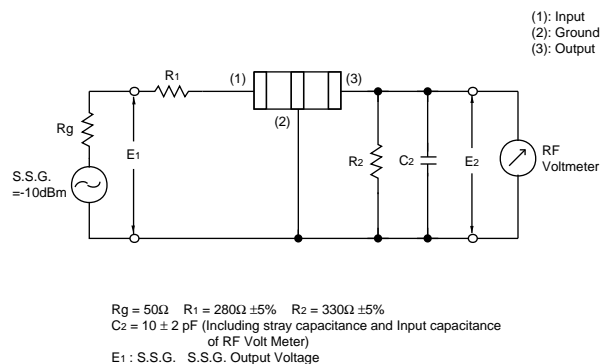
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## Standard Land Pattern Dimensions

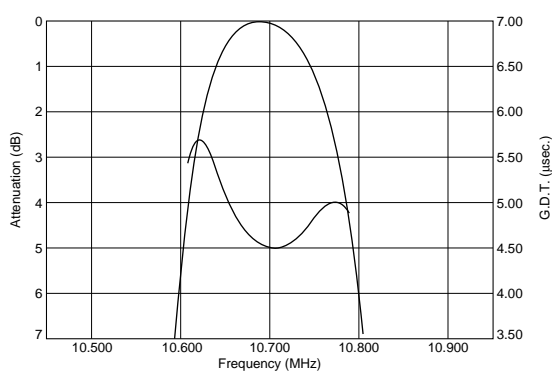


## Test Circuit

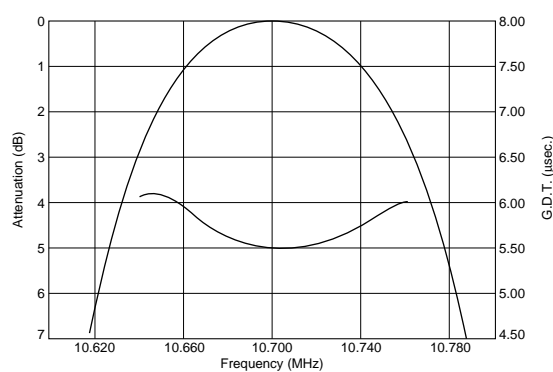


## Frequency Characteristics

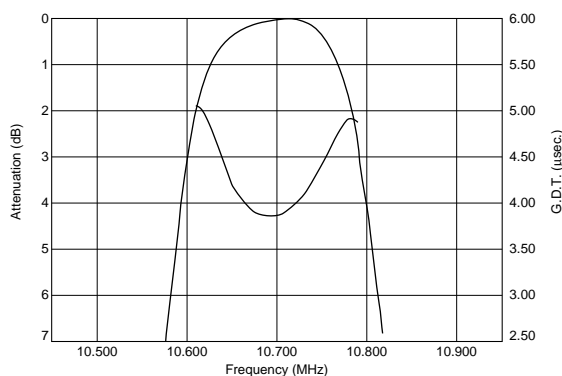
SFECV10M7KA00-R0



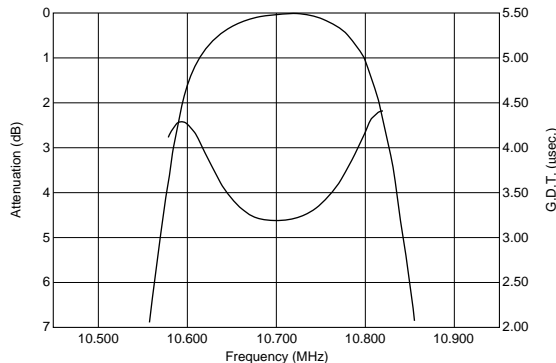
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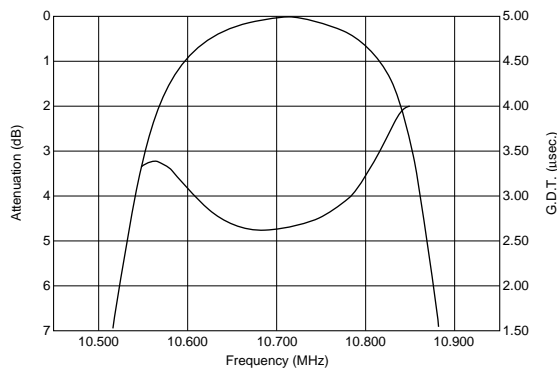
SFECV10M7HA00-R0



SFECV10M7GA00-R0

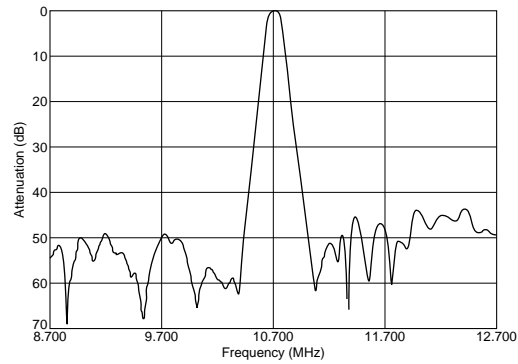


SFECV10M7FA00-R0

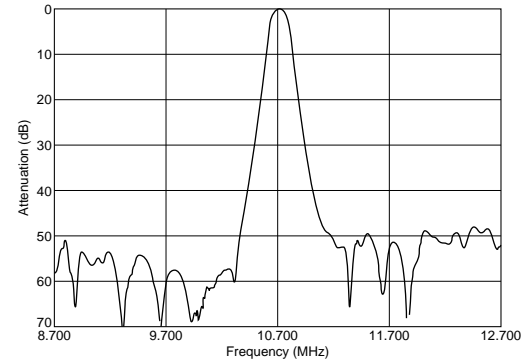


## ■ Frequency Characteristics (Spurious)

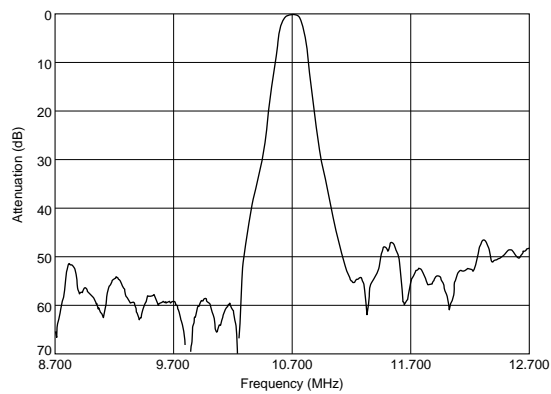
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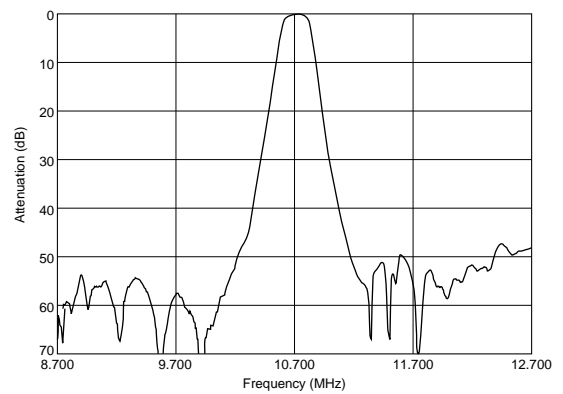
SFECV10M7JA00-R0



SFECV10M7HA00-R0



SFECV10M7GA00-R0



SFECV10M7FA00-R0

