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

muRata

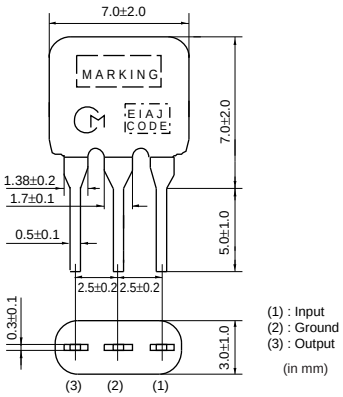
CERAFIL® 10.7MHz Low Loss Type

SFELA10M7 series for FM-receivers are monolithic type ceramic filters which use the thickness expander mode of the piezoelectric ceramic.

■ Features

1. Insertion loss is 1 to 1.5dB lower than conventional products. These types are useful for elevating the sensitivity of sets.
2. Small dispersion and stable characteristics
3. Excellent shape factor of frequency response
4. Good waveform symmetry

SFELA10M7JAA0-B0



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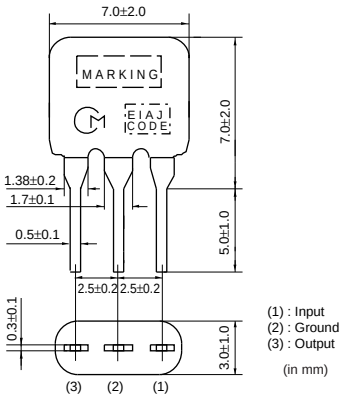

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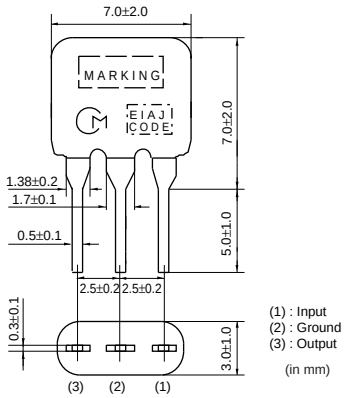

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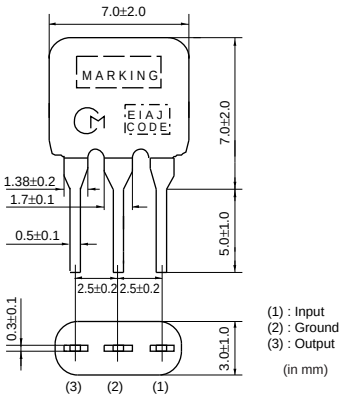

Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Input/Output Impedance (ohm)
SFELA10M7JAA0-B0	10.700 ±30kHz	150 ±40kHz	360 max.	4.5 ±2.0dB	35 min.	330
SFELA10M7HAA0-B0	10.700 ±30kHz	180 ±40kHz	470 max.	3.5 ±1.5dB	35 min.	330
SFELA10M7GAA0-B0	10.700 ±30kHz	230 ±50kHz	520 max.	3.0 ±2.0dB	35 min.	330
SFELA10M7FAA0-B0	10.700 ±30kHz	280 ±50kHz	590 max.	2.5 ±2.0dB	30 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	Color Code
D	10.64MHz±30kHz	10.650MHz±25kHz	Black
B	10.67MHz±30kHz	10.675MHz±25kHz	Blue
A	10.70MHz±30kHz	10.700MHz±25kHz	Red
C	10.73MHz±30kHz	10.725MHz±25kHz	Orange
E	10.76MHz±30kHz	10.750MHz±25kHz	White
Z	Combination A,B,C,D,E		
M	Combination A,B,C		

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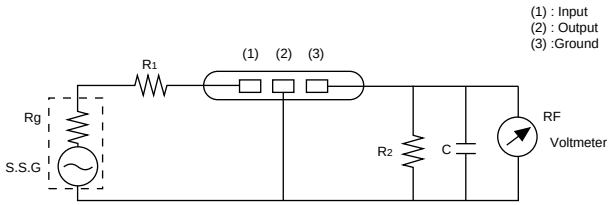
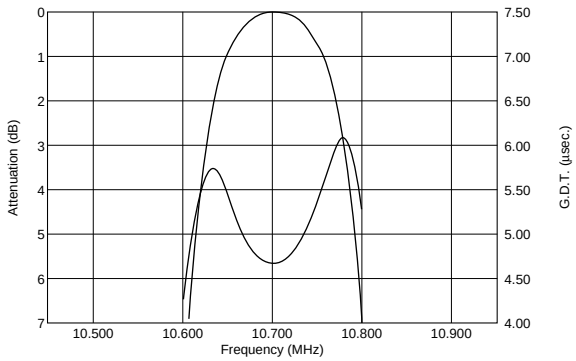
■ Test Circuit



Rg + R1 = R2 = Input and Output Impedance
C = 10pF (Including stray capacitance and input capacitance of RF voltmeter.)

■ Frequency Characteristics

SFELA10M7JAA0-B0



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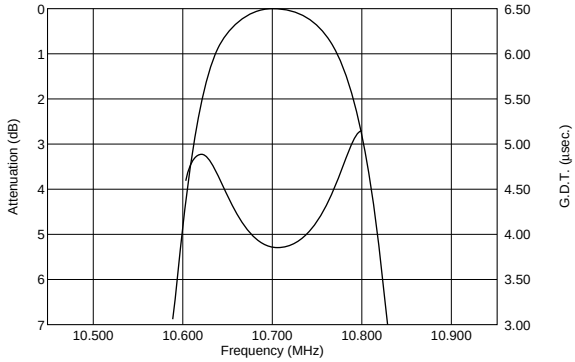

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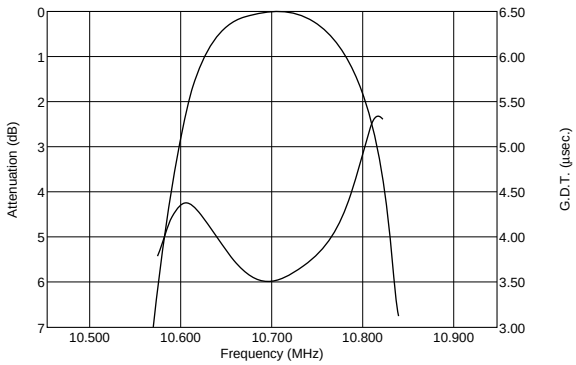

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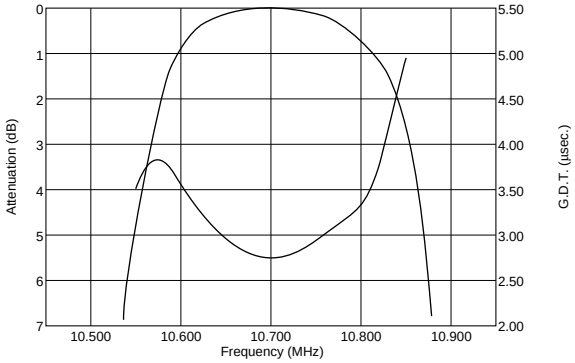

■ Frequency Characteristics (Spurious)

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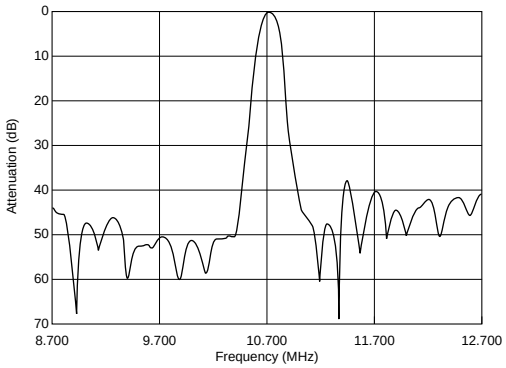

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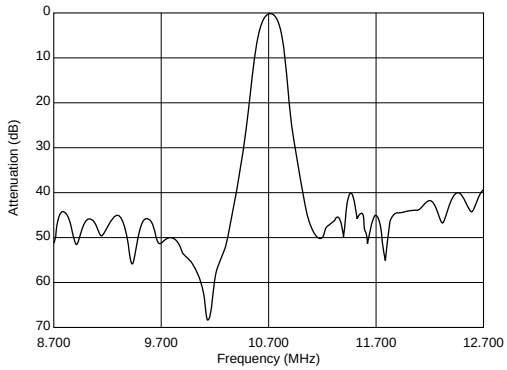

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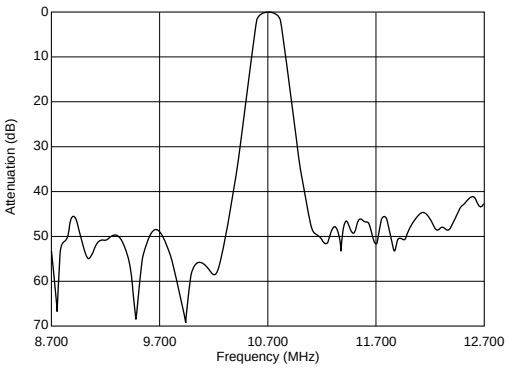

SFELA10M7FAA0-B0