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

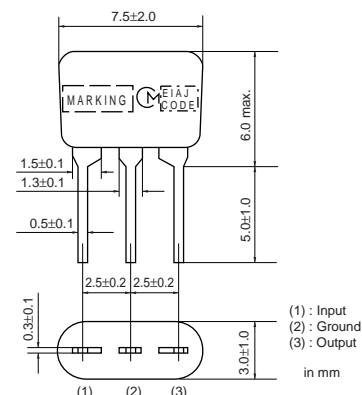## CERAFIL® 10.7MHz Low Profile Type

SFELB10M7 series for FM-receivers are monolithic type ceramic filters which use the thickness expancder mode of the piezoelectric ceramic.
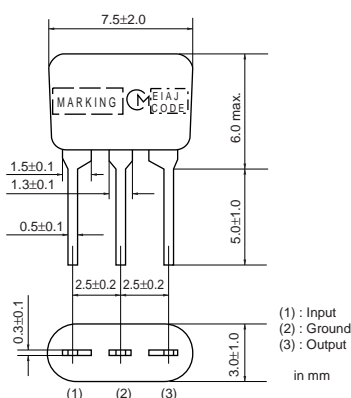
■ Features
1. Installed height is 6.0 mm, making it well suited for compact, thin sets.
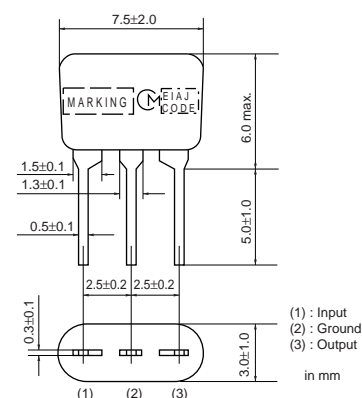2. Environmental reliability is the same as those of the ceramic filter SFELA10M7 series.
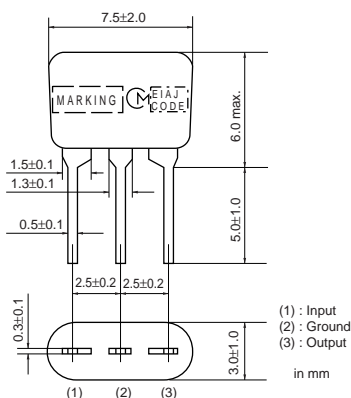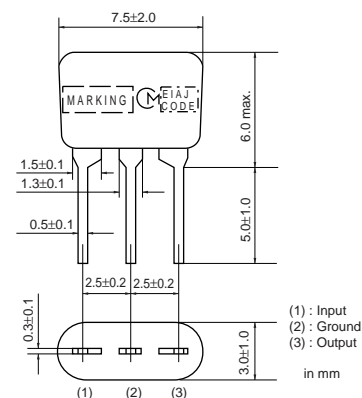
SFELB10M7KA00-B0

SFELB10M7JA00-B0

SFELB10M7HA00-B0

SFELB10M7GA00-B0

SFELB10M7FA00-B0

Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Input/Output Impedance (ohm)
SFELB10M7KA00-B0	10.700 ±30kHz	110 ±30kHz	350 max.	7.0 ±2.0dB	30 min.	330
SFELB10M7JA00-B0	10.700 ±30kHz	150 ±40kHz	360 max.	4.5 ±2.0dB	35 min.	330
SFELB10M7HA00-B0	10.700 ±30kHz	180 ±40kHz	470 max.	3.5 ±2.0dB	35 min.	330
SFELB10M7GA00-B0	10.700 ±30kHz	230 ±50kHz	570 max.	3.0 ±2.0dB	40 min.	330
SFELB10M7FA00-B0	10.700 ±30kHz	280 ±50kHz	650 max.	3.0 ±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.

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■ 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		

■ Test Circuit

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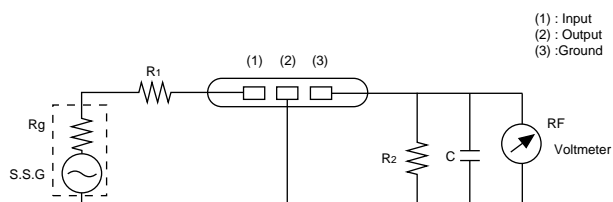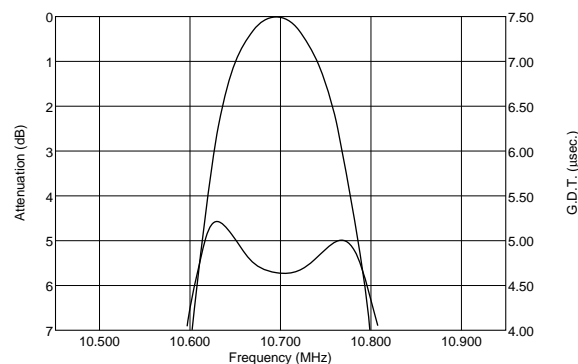
Rg + R₁ = R₂ = Input and Output Impedance
C = 10pF (Including stray capacitance and input
capacitance of RF voltmeter.)

■ Frequency Characteristics

SFELB10M7KA00-B0
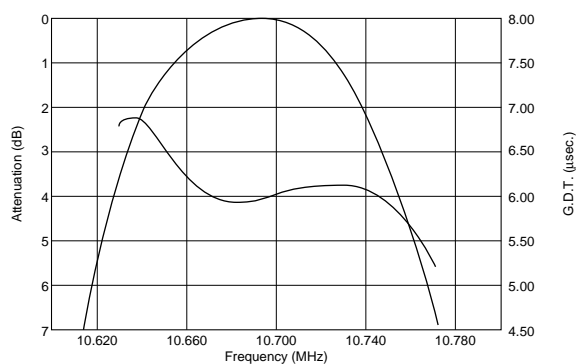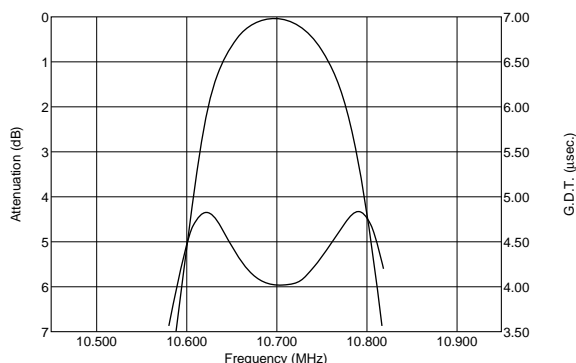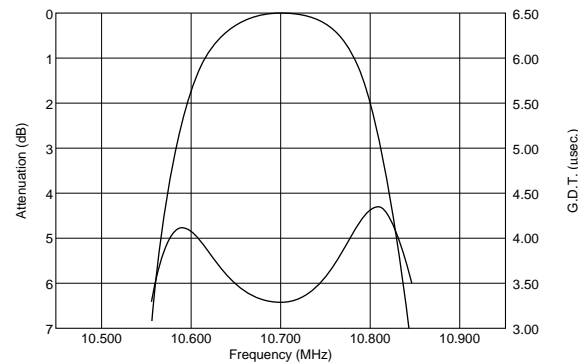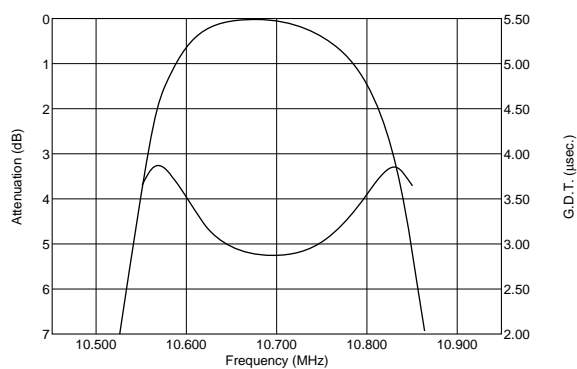

SFELB10M7JA00-B0

SFELB10M7HA00-B0

SFELB10M7GA00-B0

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◹ Continued from the preceding page.

■ Frequency Characteristics

SFELB10M7FA00-B0

■ Frequency Characteristics (Spurious)

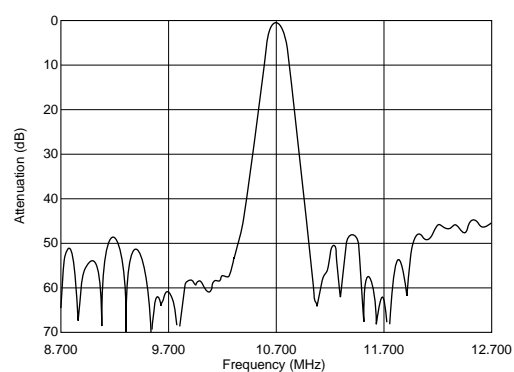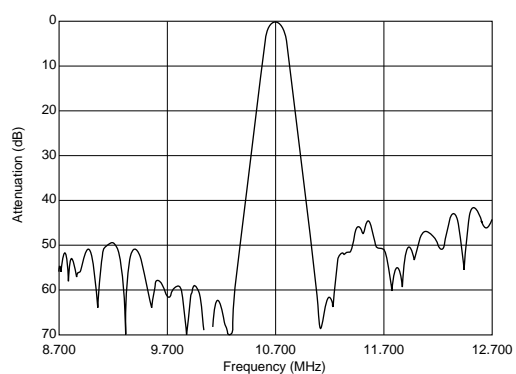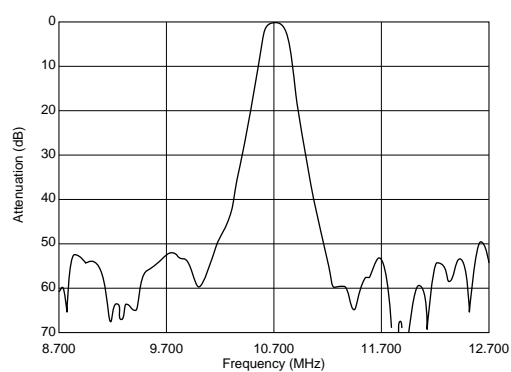### SFELB10M7KA00-B0

SFELB10M7JA00-B0

SFELB10M7HA00-B0

SFELB10M7GA00-B0

SFELB10M7FA00-B0

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