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

muRata
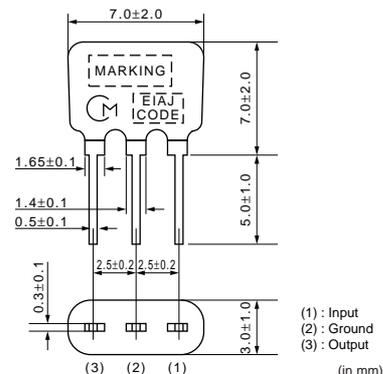
CERAFIL® 10.7MHz Narrow Bandwidth Type

■ Features

SFELA10M7LFTA/KAH0, SFVLA/SFKLA series realizes narrower band characteristics not obtained by conventional ceramic filters. Besides, low spurious and temperature characteristics are stable. This series is suitable for European car-audio or AM up conversion use that needs narrow band characteristics.
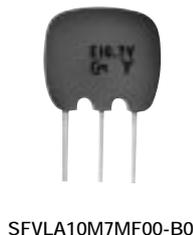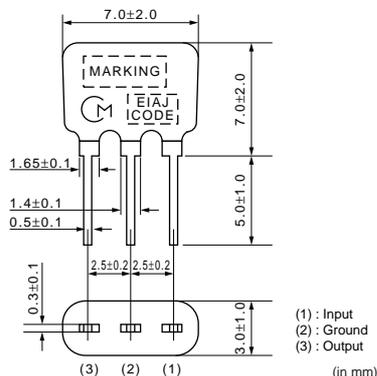

SFVLA10M7MF00-B0

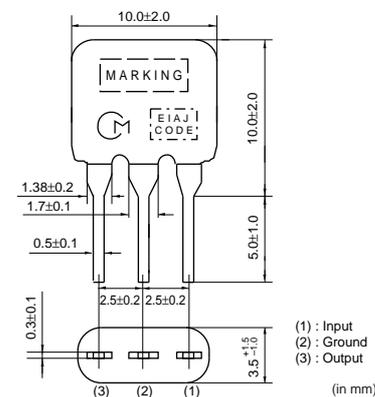(1) : Input
(2) : Ground
(3) : Output

(in mm)

SFVLA10M7LF00-B0

(1) : Input
(2) : Ground
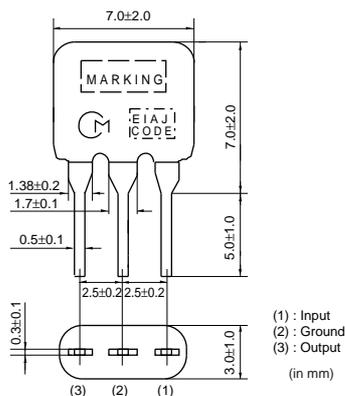(3) : Output

(in mm)

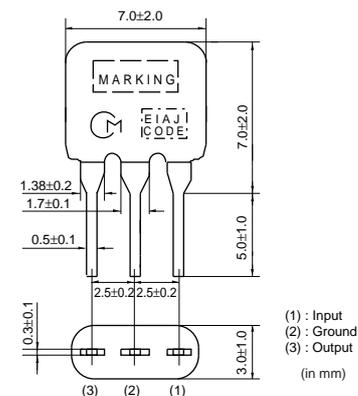SFKLA10M7NL00-B0

(1) : Input
(2) : Ground
(3) : Output

(in mm)

SFELA10M7LFTA-B0

(1) : Input
(2) : Ground
(3) : Output

(in mm)

SFELA10M7KAH0-B0

(1) : Input
(2) : Ground
(3) : Output

(in mm)

Part Number	Center Frequency (fo) (MHz)	Nominal Center Frequency (fn) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Input/Output Impedance (ohm)
SFVLA10M7MF00-B0	-	10.700	fn±13 min.	135 max.	5.0 ±2.0dB	35 min.	330
SFVLA10M7LF00-B0	-	10.700	fn±25 min.	-	5.5 ±2.5dB	30 min.	330
SFKLA10M7NL00-B0	10.700 ±15kHz	-	20 min.	95 max.	6.0 max.	24 min.	600
SFELA10M7LFTA-B0	-	10.700	fn±25 min.	280 max.	7.0 ±2.0dB	30 min.	330
SFELA10M7KAH0-B0	10.700 ±30kHz	-	110 ±30kHz	350 max.	7.0 ±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 (SFELA10M7KAH0-B0)

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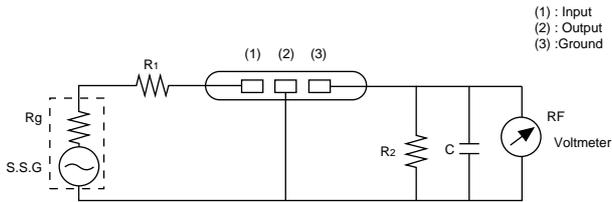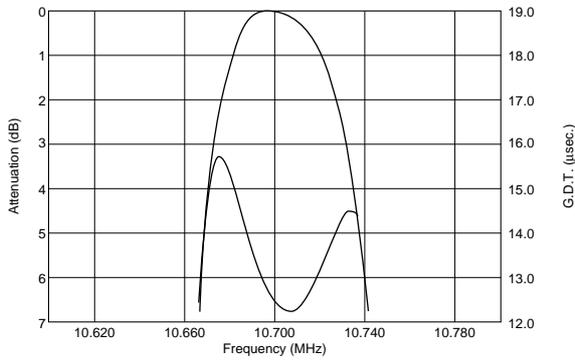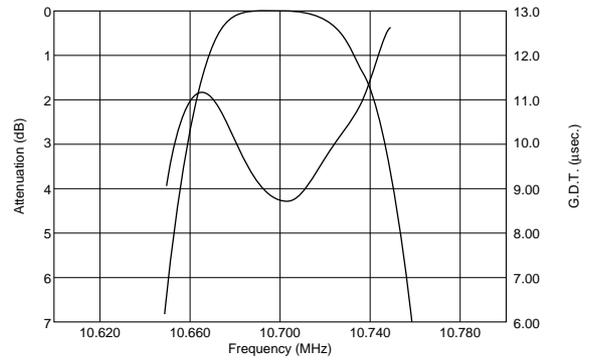
Rg + R₁ = R₂ = Input and Output Impedance
C = 10pF (Including stray capacitance and input
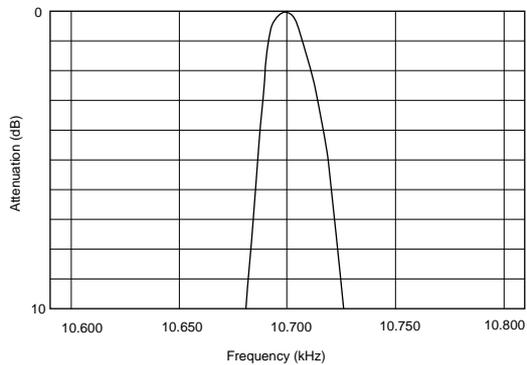capacitance of RF voltmeter.)

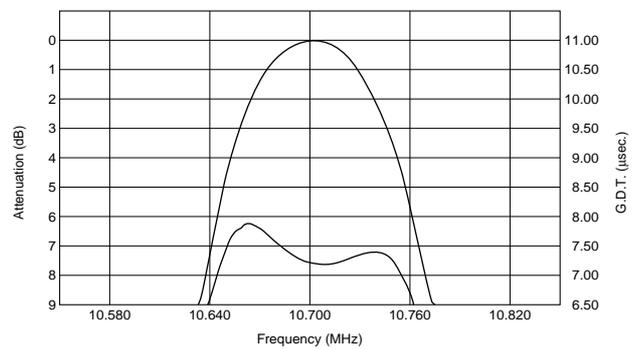## ■ Frequency Characteristics
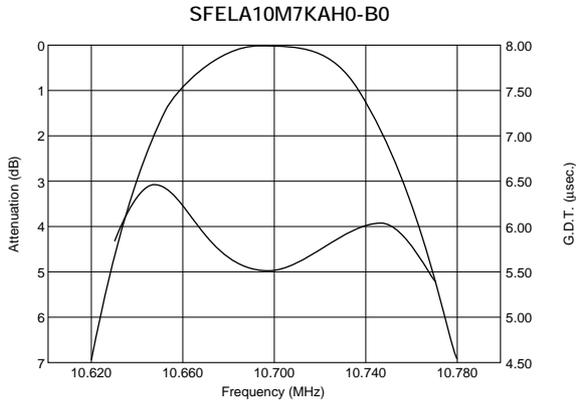
SFVLA10M7MF00-B0

SFVLA10M7LF00-B0

SFKLA10M7NL00-B0

SFELA10M7LFTA01-B0

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■ Frequency Characteristics

SFELA10M7KAH0-B0

■ Frequency Characteristics (Spurious)

SFVLA10M7MF00-B0

SFVLA10M7LF00-B0

SFKLA10M7NL00-B0

SFELA10M7LFTA01-B0

SFELA10M7KAH0-B0

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