

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

muRata

CERAFIL® 10.7MHz Low Spurious Response Type

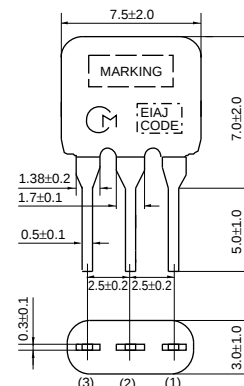
SFELA10M7 series for FM-receivers are monolithic type ceramic filters which use the thickness expander mode of the piezoelectric ceramic.

■ Features

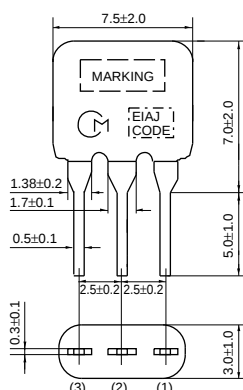
These types have lower spurious response compared to the standard filters.



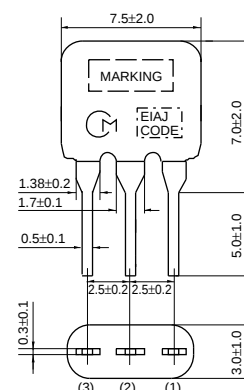
SFELA10M7KAB0-B0



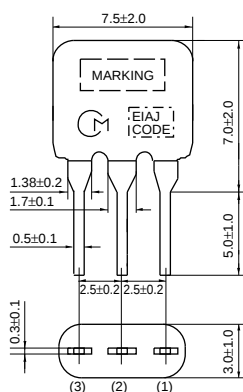
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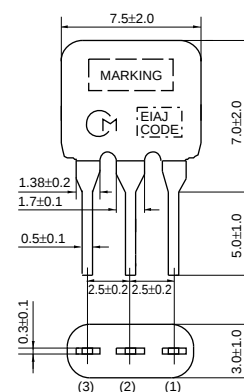
SFELA10M7HAB0-B0



SFELA10M7GAB0-B0



SFELA10M7FAB0-B0



Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Input/Output Impedance (ohm)
SFELA10M7KAB0-B0	10.700 ±30kHz	110 ±30kHz	350 max.	7.0 ±2.0dB	45/30 min.	330
SFELA10M7JAB0-B0	10.700 ±30kHz	150 ±40kHz	380 max.	5.5 ±2.0dB	45 min.	330
SFELA10M7HAB0-B0	10.700 ±30kHz	180 ±40kHz	520 max.	5.0 ±2.0dB	45 min.	330
SFELA10M7GAB0-B0	10.700 ±30kHz	230 ±50kHz	570 max.	3.0 ±2.0dB	45 min.	330
SFELA10M7FAB0-B0	10.700 ±30kHz	280 ±50kHz	650 max.	3.0 ±2.0dB	45 min.	330

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

Insertion Loss: at minimum loss point

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

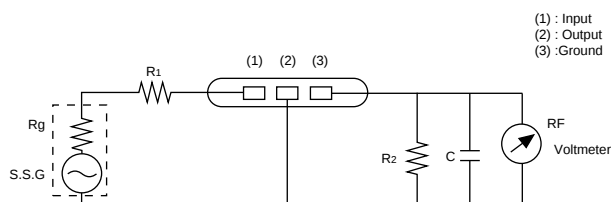
The order quantity should be an integral multiple of the "Minimum Quantity" shown in the package page.

■ 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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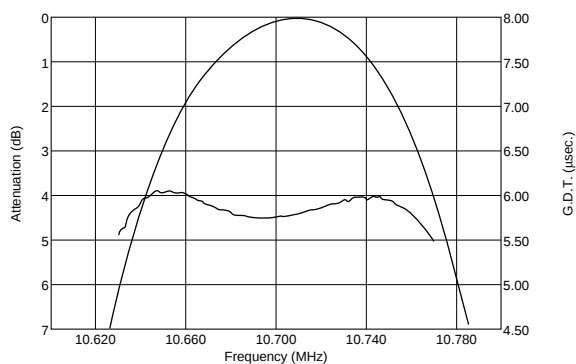
■ Test Circuit



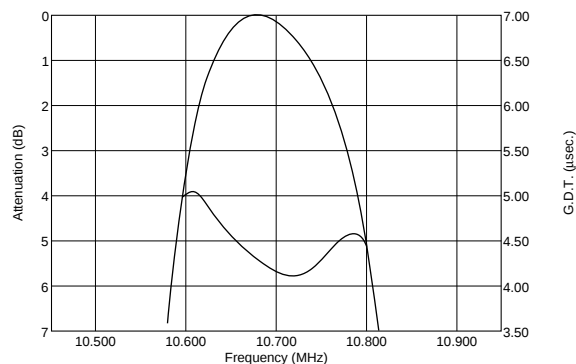
$R_g + R_1 = R_2$ = Input and Output Impedance
 $C = 10\text{pF}$ (Including stray capacitance and input capacitance of RF voltmeter.)

■ Frequency Characteristics

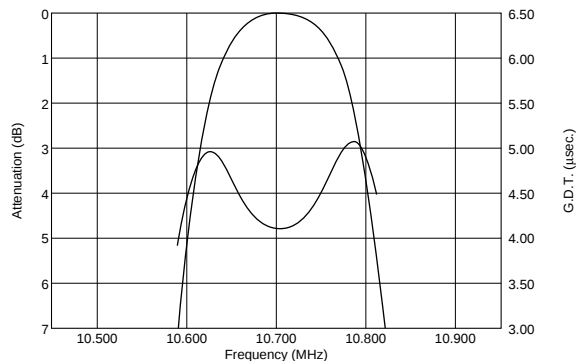
SFELA10M7KAB0-B0



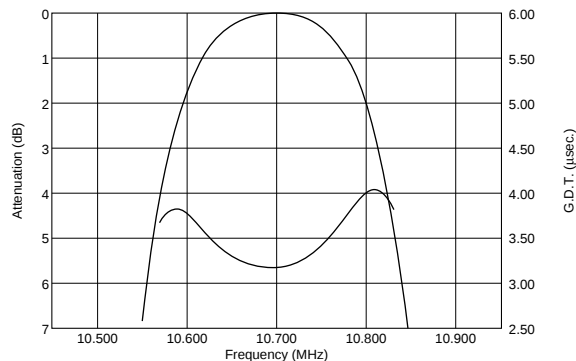
SFELA10M7JAB0-B0



SFELA10M7HAB0-B0



SFELA10M7GAB0-B0

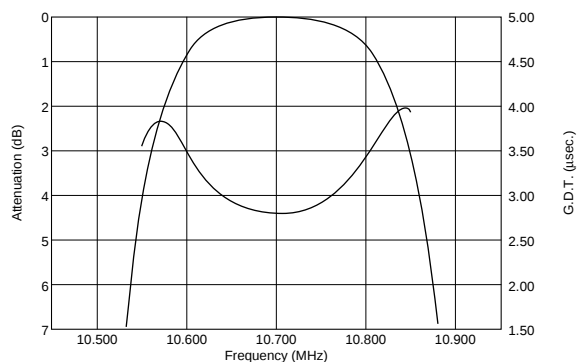


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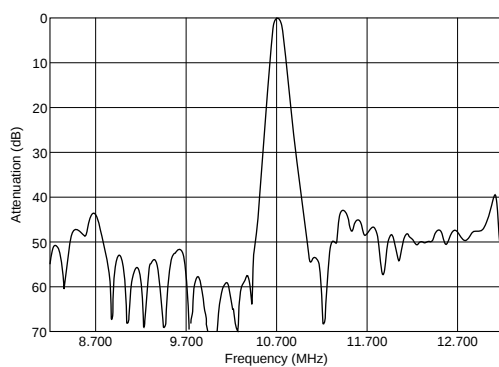
Frequency Characteristics

SFELA10M7FAB0-B0

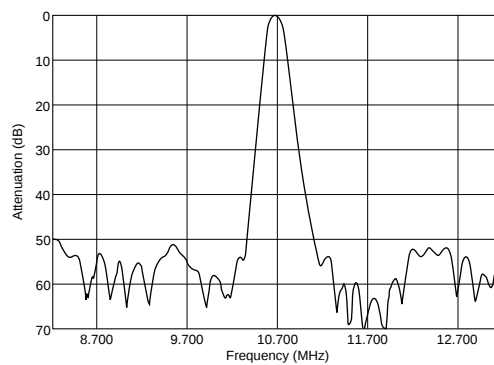


Frequency Characteristics (Spurious)

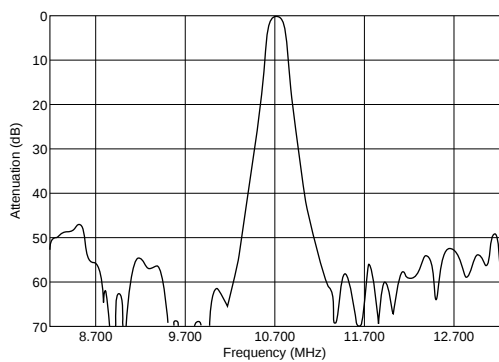
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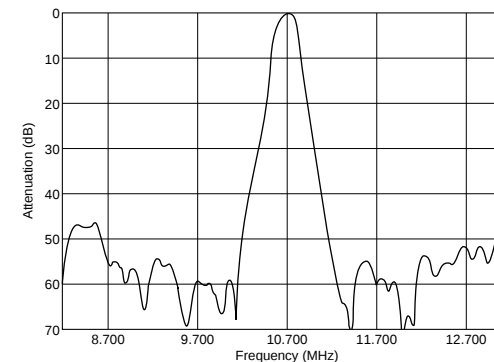
SFELA10M7JAB0-B0



SFELA10M7HAB0-B0



SFELA10M7GAB0-B0



SFELA10M7FAB0-B0

