

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

muRata

CERAFIL[®] 10.7MHz Low Spurious Response Type

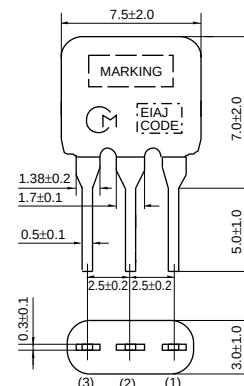
SFELA10M7 series for FM-receivers are monolithic type ceramic filters which use the thickness expander mode of the piezoelectric ceramic.

■ Features

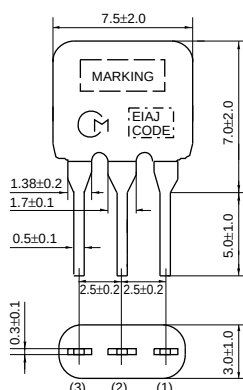
These types have lower spurious response compared to the standard filters.



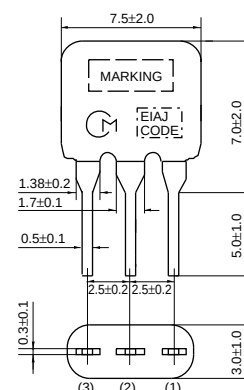
SFELA10M7KAB0-B0



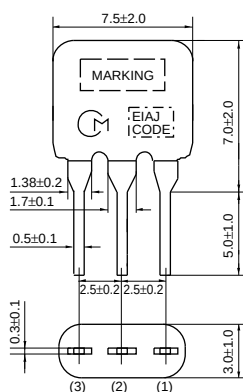
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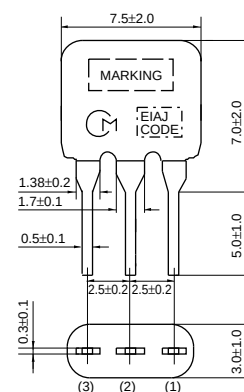
SFELA10M7HAB0-B0



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.

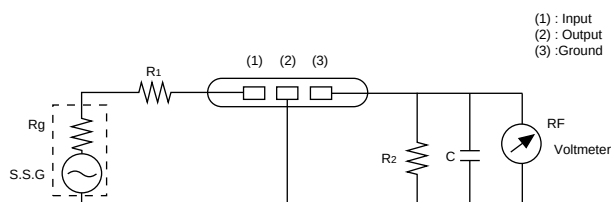
The order quantity should be an integral multiple of the "Minimum Quantity" shown in the package page.

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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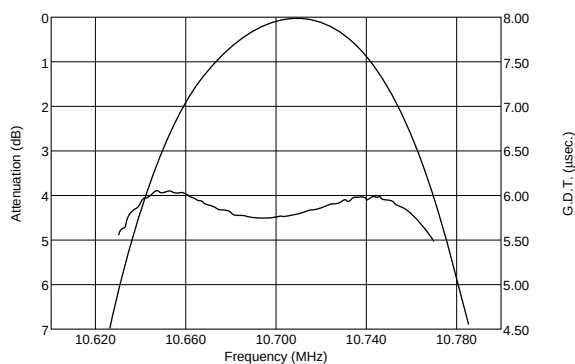
Test Circuit



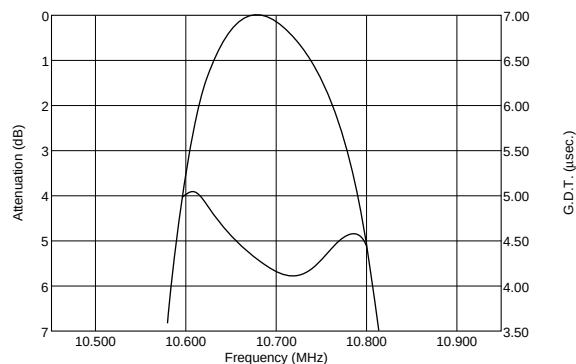
$R_g + R_1 = R_2$ = Input and Output Impedance
 $C = 10\text{pF}$ (Including stray capacitance and input capacitance of RF voltmeter.)

Frequency Characteristics

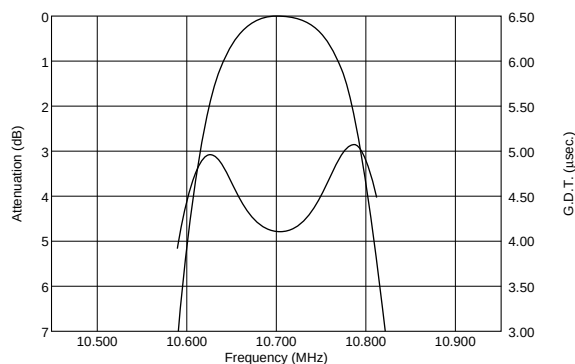
SFELA10M7KAB0-B0



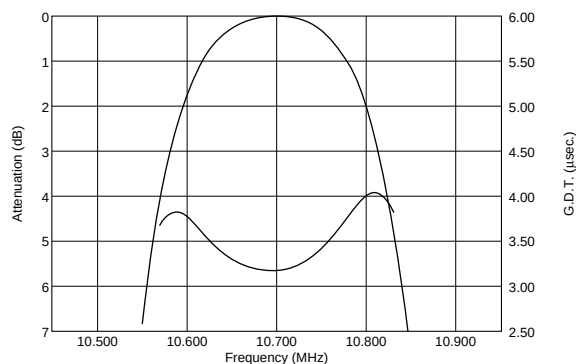
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SFELA10M7HAB0-B0



SFELA10M7GAB0-B0

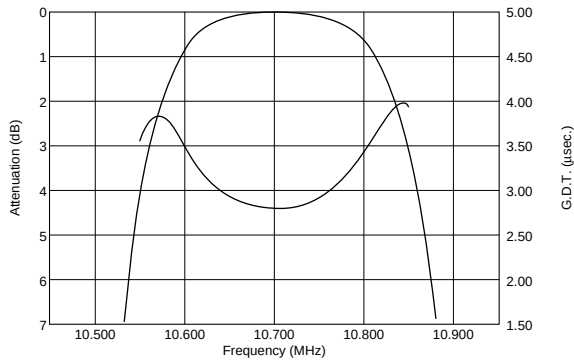


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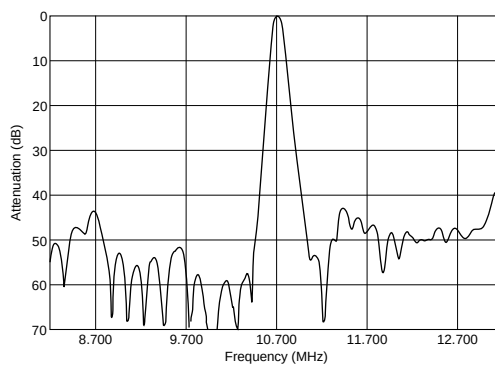
Frequency Characteristics

SFELA10M7FAB0-B0

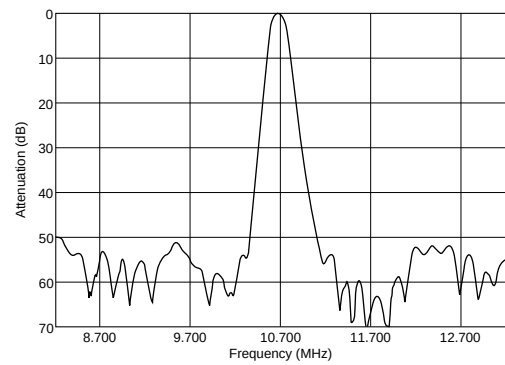


Frequency Characteristics (Spurious)

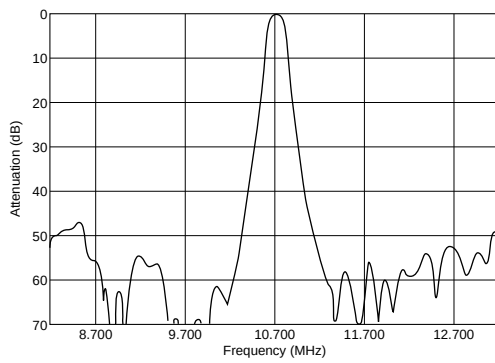
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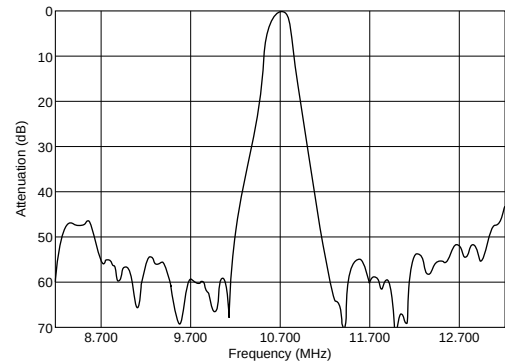
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SFELA10M7HAB0-B0



SFELA10M7GAB0-B0



SFELA10M7FAB0-B0

