

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



CERAFIL[®] 10.7MHz Low Profile Type

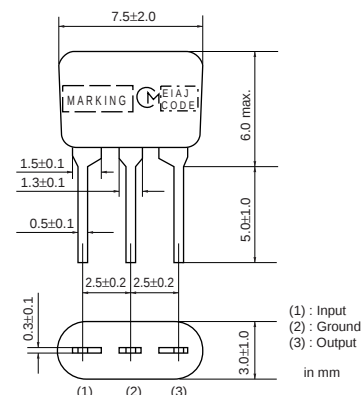
SFELB10M7 series for FM-receivers are monolithic type ceramic filters which use the thickness expander mode of the piezoelectric ceramic.

■ Features

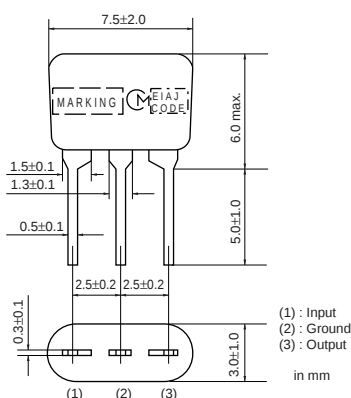
1. Installed height is 6.0 mm, making it well suited for compact, thin sets.
2. Environmental reliability is the same as those of the ceramic filter SFELA10M7 series.



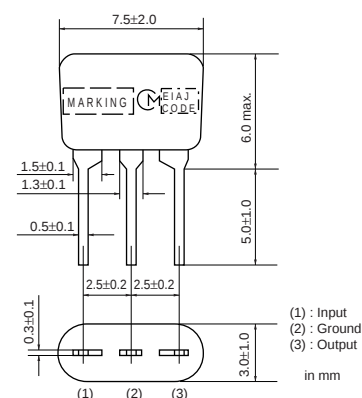
SFELB10M7KA00-B0



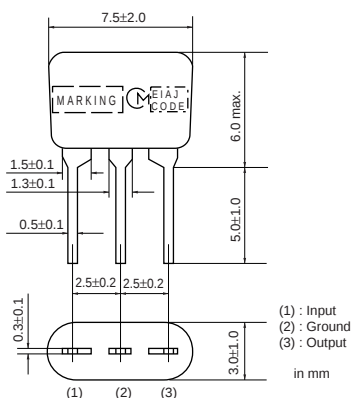
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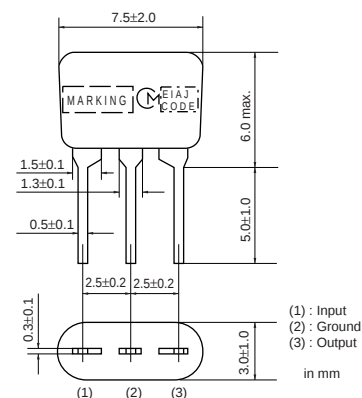
SFELB10M7HA00-B0



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

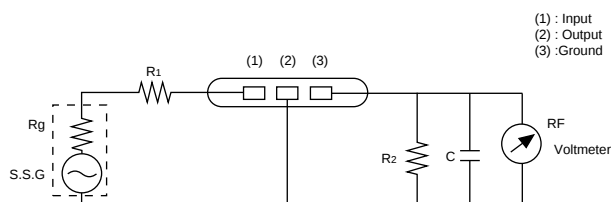
Center frequency (fo) defined by the center of 3dB bandwidth.

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

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		

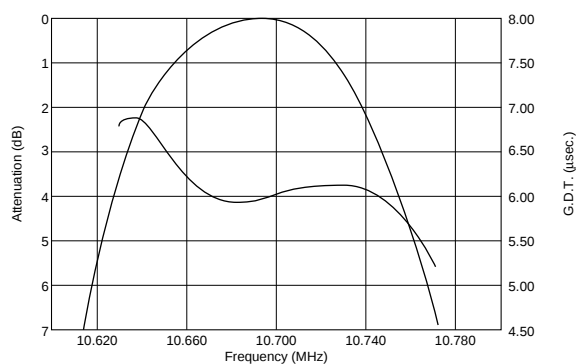
Test Circuit



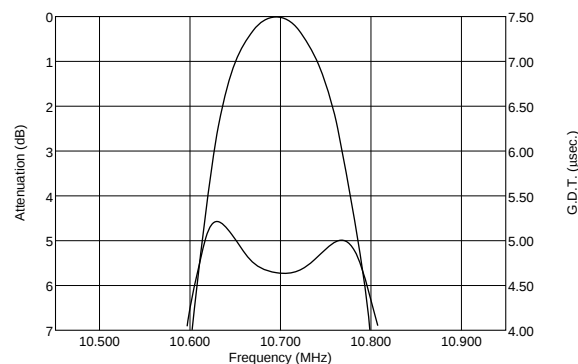
$R_g + R_1 = R_2$ = Input and Output Impedance
 $C = 10\text{pF}$ (Including stray capacitance and input capacitance of RF voltmeter.)

Frequency Characteristics

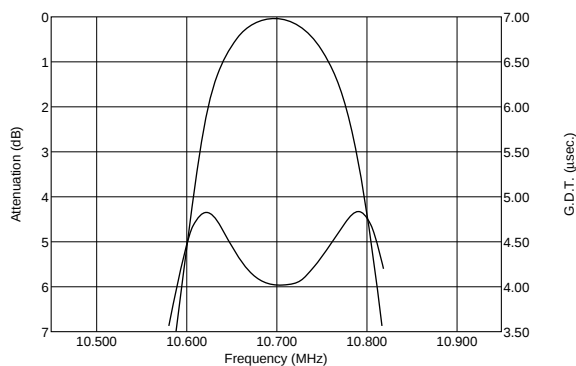
SFELB10M7KA00-B0



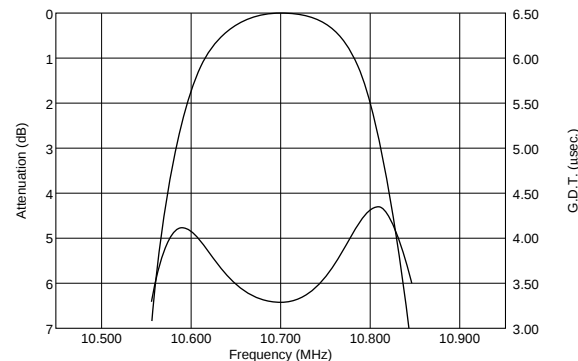
SFELB10M7JA00-B0



SFELB10M7HA00-B0



SFELB10M7GA00-B0

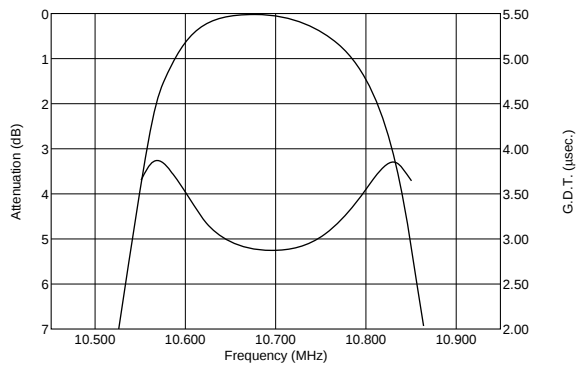


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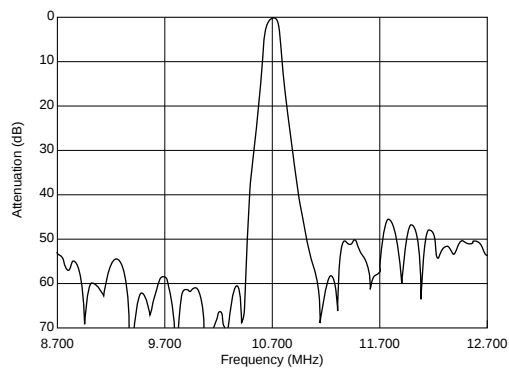
Frequency Characteristics

SFELB10M7FA00-B0

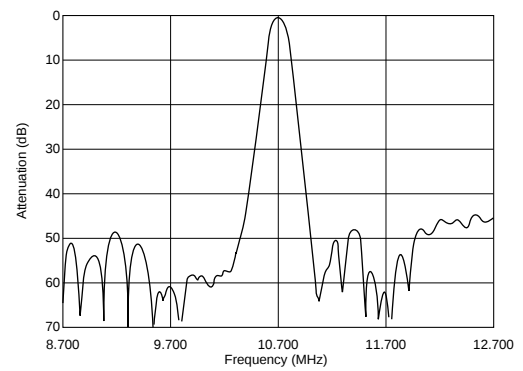


Frequency Characteristics (Spurious)

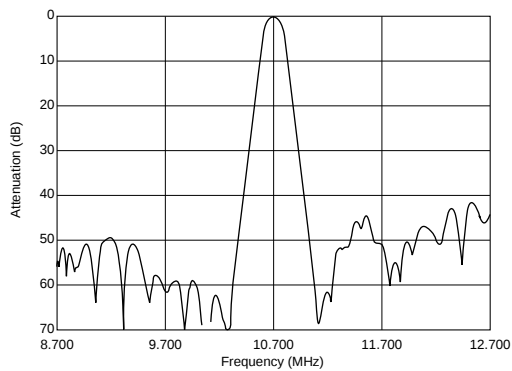
SFELB10M7KA00-B0



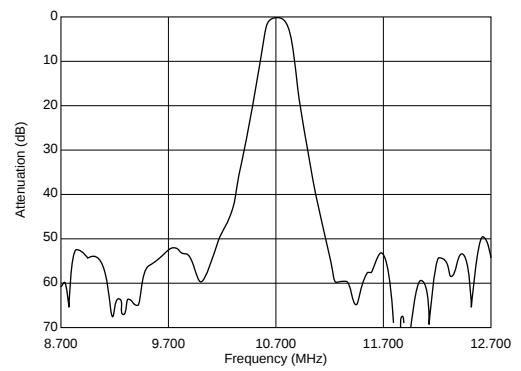
SFELB10M7JA00-B0



SFELB10M7HA00-B0



SFELB10M7GA00-B0



SFELB10M7FA00-B0

