Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Murata Electronics North America
SFELA10M7EA00-B0

For any questions, you can email us directly:
sales@integrated-circuit.com

![EIS electronic components logo]

Distributor of Murata Electronics North America: Excellent Integrated System Limited
Datasheet of SFELA10M7EA00-B0 - FILTER 10.7MHZ 330KHZ BANDWIDTH
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

⚠Note Please read rating and ⚠CAUTION (for storage, operating, rating, soldering, mounting and handling) in this PDF catalog to prevent smoking and/or burning, etc.
This catalog has only typical specifications. Therefore, you are requested to approve our product specifications or to transact the approval sheet for product specificaions before ordering.

P50E.pdf 03.4.16

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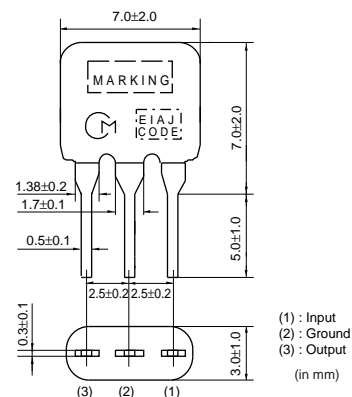
muRata

CERAFIL® 10.7MHz Wide Bandwidth Type

SFELA10M7 series for FM-receivers are monolithic type ceramic filters which use the thickness expander mode of the piezoelectric ceramic.
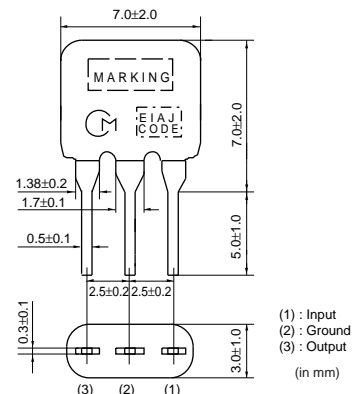
■ Features
Realizes widerband characteristics not obtained by conventional ceramic filters.

SFELA10M7EA00-B0

SFELA10M7DF00-B0

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)
SFELA10M7EA00-B0	10.700 ±30kHz	-	330 ±50kHz	680 max.	4.0 ±2.0dB	30 min.	330
SFELA10M7DF00-B0	-	10.700	fn±175 min.	950 max.	3.0 ±2.0dB	20 min.	470

Attenuation Bandwidth : at 20dB loss point   Area of Spurious Attenuation : [within 8MHz to 12MHz]
Insertion Loss: at minimum loss point
Center frequency (fo) defined by the center of 3dB bandwidth.
(fn) means nominal center frequency.
The order quantity should be an integral multiple of the "Minimum Quantity" shown in the package page.
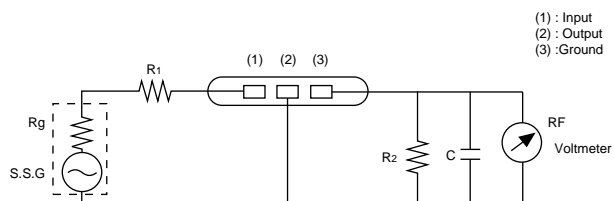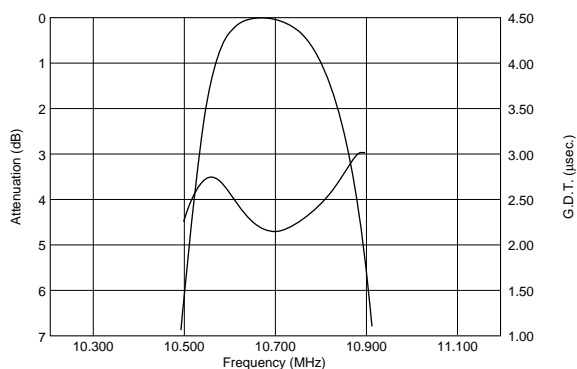
■ Standard Center Frequency Rank Code

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

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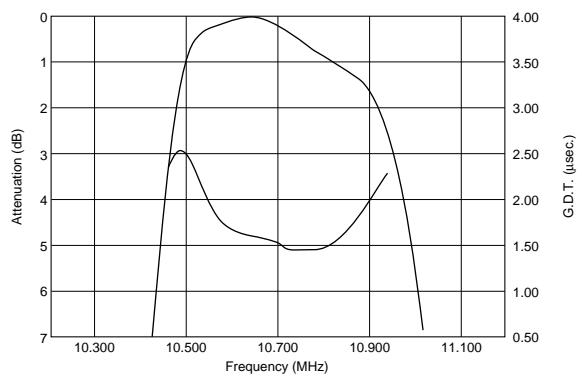
Rg + R₁ = R₂ = Input and Output Impedance
C = 10pF (Including stray capacitance and input
capacitance of RF voltmeter.)

■ Frequency Characteristics

SFELA10M7EA00-B0

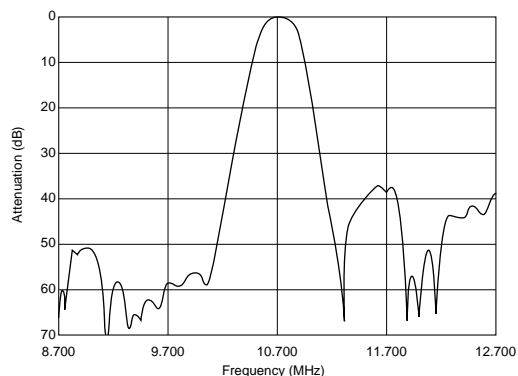### SFELA10M7DF00-B0

■ Frequency Characteristics (Spurious)

SFELA10M7EA00-B0

SFELA10M7DF00-B0