

SFELF10M7HA00-B0

Discontinued

RoHS

REACH

Applications

| | |
|-------------------------|--|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use." |
| Specific Applications | Consumer equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product. |

Appearance & Shape



Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|----------------|---------------------------|
| B0 | Bulk | 500 |

Features

SFELF10M7 series for FM-receivers are monolithic type ceramic filters that use the thickness expander mode of the piezoelectric ceramic. As part of the environment protection program, the solder for terminal plating and terminal-element connection inside of the ceramic filter contain no lead (Pb).

Features

1. These miniature filters have high mechanical strength.
2. Low loss, favorable waveform symmetry, and high selectivity.
3. Various bandwidths are available for applications in wide to narrow bands.
4. Small dispersion and stable characteristics.
5. Change in center frequency is typically within $\pm 30\text{ppm}/^\circ\text{C}$ at -20 to $+80^\circ\text{C}$.
6. High reliability.

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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Specifications

| | |
|-----------------------------|----------------------------------|
| Operating Temperature Range | -20°C to 80°C |
| Shape | Lead |
| Elements | 2 |
| Center Frequency | 10.700MHz |
| Center Frequency Tolerance | ±30kHz |
| Nominal Center Value | No |
| 3dB Bandwidth | 180kHz±40kHz |
| Stop Bandwidth | 520kHz |
| Area of Stop Bandwidth | [within 20dB] |
| Spurious Attenuation | 40dB[within 9MHz to fo] |
| Insertion Loss | 7.0dBmax.(at minimum loss point) |
| Ripple | 1.0dBmax.(at minimum loss point) |
| Input/Output Impedance | 330Ω |
| Mass | 178mg |

Attention

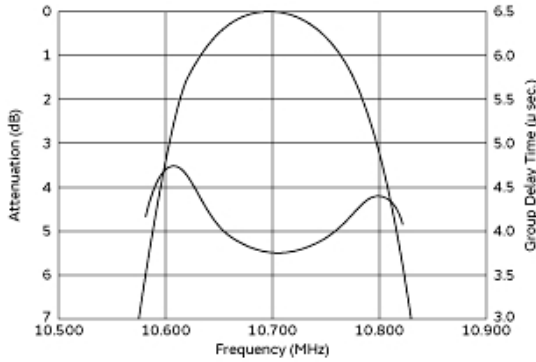
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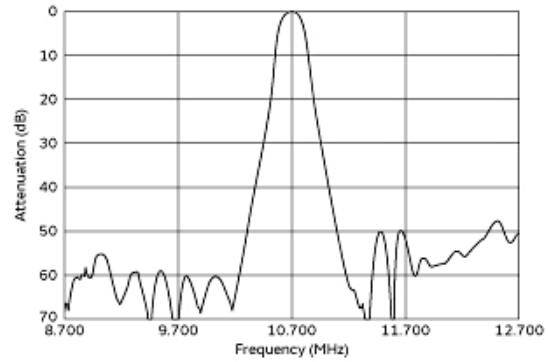
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Product Data



Frequency Characteristics



Spurious Response



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

Measurement Circuit

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