

SFPKA450KG1A-R1

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 |
|-----------|---------------------|---------------------------|
| -R1 | 330mm Embossed Tape | 1000 |

Features

SFPKAseries for AM use is one of the most recommendable intermediate filters, having such distinctive features as high selectivity, high stability and adjustment-free operation. Additionally, its easy matching with IC helps create an easy circuit design.

Features

1. The filters are mountable by automatic placers and can be reflow soldered and withstand washing.
2. The filters are wide bandwidth and high selectivity, so they are suitable for car radio and multi-band radio.

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 | SMD |
| Elements | 4 |
| Center Frequency | 450.0kHz |
| Center Frequency Tolerance | ±1kHz |
| Nominal Center Value | No |
| 6dB Bandwidth | fn±4.5kHzmin. |
| Selectivity(+) | 40dB[fn+10kHz] |
| Selectivity(-) | 40dB[fn-10kHz] |
| Stop Band Attenuation | 25dBmin.[within fn±100kHz] |
| Insertion Loss | 6.0dBmax.(at minimum loss point) |
| Ripple | 1.5dBmax.[within fn±3kHz] |
| GDT Deviation | 20μsec. |
| Input/Output Impedance | 1500Ω |
| Mass | 700mg |

Attention

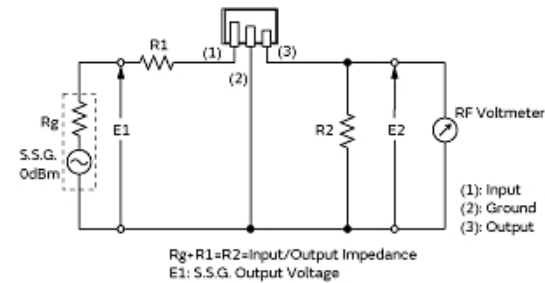
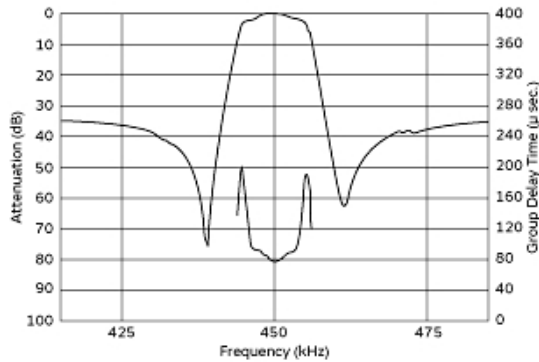
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Product Data



Frequency Characteristics (filter Only)

Measurement Circuit

| Item \ Type | SFPKA | | |
|-----------------------|-----------|-----------|-----------|
| | (1) — (2) | (2) — (3) | (4) — (5) |
| Winding Specification | | | |
| (Bottom view) | 60T | 125T | 28T |
| No load Q_u | 40 | | |
| Tuning Capacitance | 180pF | | |

* Matching of CERAFIL® SFPKA series with IFT is decided by the Q_u of IFT and IFT secondary side impedance, $|Z_2|$. Set the Q_u at about 40 because a Q_u value which is too high (e.g., 90) may produce ripple in the waveform. It is recommended to match the impedance of $|Z_2|$ with that of the CERAFIL®.

Recommended Ift

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