

Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of SFPKA450KH1A-R1 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=SFPKA450KH1A-R1

SFPKA450KH1A-R1









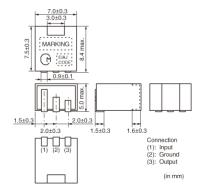
Applications

| Unsuitable | Please be sure to read and comply with | |
|--------------|--|--|
| Applications | these "Precautions for use." | |
| | Consumer equipment | |
| | Please refer to Our Website and | |
| | specifications, etc. for information about | |
| Specific | the performance, functions, quality, | |
| ' | management, and safety required for | |
| Applications | 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.

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 $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$

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





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Specifications

| -20°C to 80°C |
|----------------------------------|
| SMD |
| 4 |
| 450.0kHz |
| ±1kHz |
| No |
| fn±3.0kHzmin. |
| 40dB[fn+9kHz] |
| 40dB[fn-9kHz] |
| 25dBmin.[within fn±100kHz] |
| 6.0dBmax.(at minimum loss point) |
| 1.5dBmax.[within fn±2kHz] |
| 20μsec. |
| 2000Ω |
| 700mg |
| |

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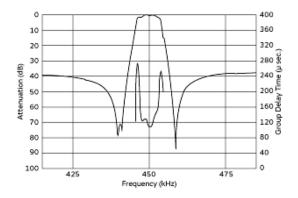
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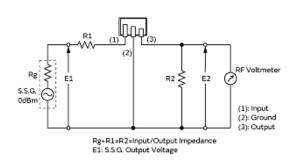
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SFPKA450KH1A-R1



Product Data





Frequency Characteristics (filter Only)

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

 Matching of CERAFIL® SFPKA series with IFT is decided by the Qu of IFT and IFT secondary side Impedance, [Z2]. Set the Qu at about 40 because a Qu value which is too high (e.g.,90) may produce ripple in the waveform. It is recommended to match the impedance of [Z2] with that of the CERAFIL®.

Recommended Ift

Measurement Circuit

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