

# 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

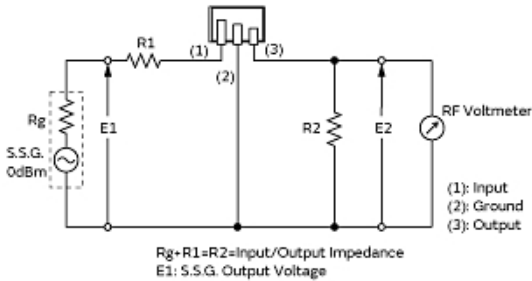
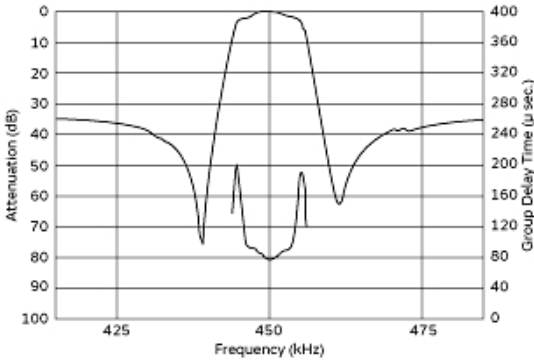
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## Product Data



### 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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