

Product Search Data Sheet

# SFPKA450KG1A-R1

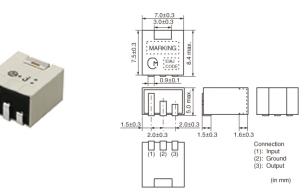
REACH

Discontinued RoHS

## Applications

Unsuitable	Please be sure to read and comply with	
Applications	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



Note: This datasheet may be out of date. Please download the latest datasheet of SFPKA450KG1A-R1 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=SFPKA450KG1A-R1

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
-R1	330mm Embossed Tape	1000



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.

1 of 3

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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





# SFPKA450KG1A-R1

Note: This datasheet may be out of date. Please download the latest datasheet of SFPKA450KG1A-R1 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=SFPKA450KG1A-R1

## 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	

### 2 of 3

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.





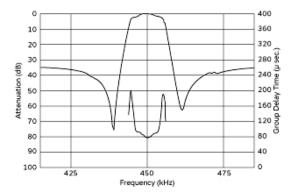


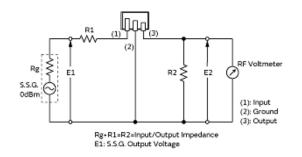
SFPKA450KG1A-R1

Note: This datasheet may be out of date. Please download the latest datasheet of SFPKA450KG1A-R1 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=SFPKA450KG1A-R1

Product Data





### Frequency Characteristics (filter Only)

Type Item	SFPKA		
Winding Specification	(1)—(2)	(2)—(3)	(4)—(6)
5(3) (2) (1) (4) (4) (4) (4) (6)	60T	125T	28T
(Bottom view)			
No load Qu	40 180pF		
Tuning Capacitance			

 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

3 of 3

#### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.

