

### Product Search Data Sheet

Note: This datasheet may be out of date.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/products/productdetail?partno=SFPKA450KG1A-R1

# SFPKA450KG1A-R1









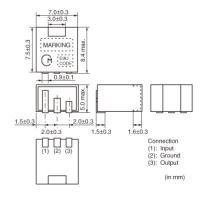
## **Applications**

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**

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	

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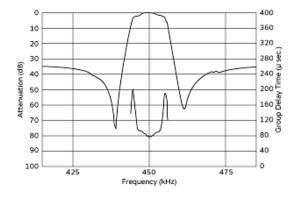


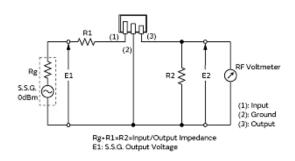
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### Frequency Characteristics (filter Only)

Type	SFPKA		
Winding Specification	(1)—(2)	(2)—(3)	(4)—(5)
(4)5 (2) (1) (Bottom view)	60T	125T	28T
No load Qu	40 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

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