

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Note: This datasheet may be out of date.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









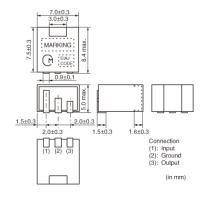
Applications

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
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.

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

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Specifications

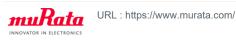
Operating Temperature Range	-20°C to 80°C	
Shape	SMD	
Elements	4	
Center Frequency	450.0kHz	
Center Frequency Tolerance	±1kHz	
Nominal Center Value	No	
6dB Bandwidth	fn±3.0kHzmin.	
Selectivity(+)	40dB[fn+9kHz]	
Selectivity(-)	40dB[fn-9kHz]	
Stop Band Attenuation	25dBmin.[within fn±100kHz]	
Insertion Loss	6.0dBmax.(at minimum loss point)	
Ripple	1.5dBmax.[within fn±2kHz]	
GDT Deviation	20µsec.	
Input/Output Impedance	2000Ω	
Mass	700mg	

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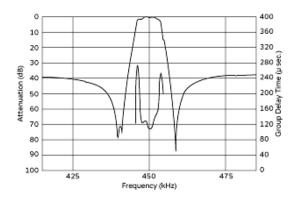
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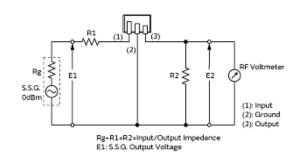
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Product Data





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®. Measurement Circuit

Recommended Ift

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