

Product Search Data Sheet

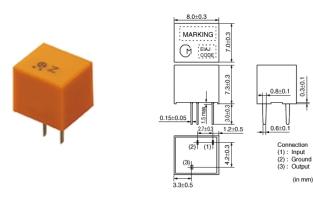
SFPLA450KG1A-B0

Discontinued RoHS REACH

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,
Specific	management, and safety required for
Applications	the above applications, and use
	Products after confirming the
	performance and reliability of the actual
	Product.

Appearance & Shape



Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of SFPLA450KG1A-B0 from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=SFPLA450KG1A-B0

Packaging Information

Packaging	Specifications Packing Quantity	
-B0	Bulk	200



SFPLA series for AM use is one of the most suitable intermediate filters, having such distinctive features as high selectivity, high stability, high attenuation, and adjustment-free operation. Additionally, its easy matching with IC helps create an easy circuit design.

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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.





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Specifications

Operating Temperature Range	-20°C to 80°C	
Shape	Lead	
Elements	4	
Center Frequency	450.0kHz	
Center Frequency Tolerance	±1kHz	
Nominal Center Value	No	
6dB Bandwidth	fn±4.5kHzmin.	
Selectivity(+)	30dB[fn+9kHz]	
Selectivity(-)	30dB[fn-9kHz]	
Stop Band Attenuation	27dBmin.[within fn±100kHz]	
Insertion Loss	6.0dBmax.(at minimum loss point)	
Ripple	1.5dBmax.[within fn±3kHz]	
GDT Deviation	20µsec.	
Input/Output Impedance	2000Ω	
Mass	1068mg	

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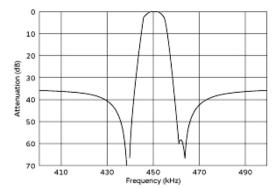
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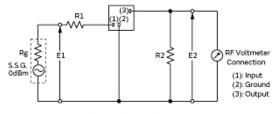
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Rg+R1=R2=Input/Output Impedance

Frequency Characteristics (filter Only)

Type	SFPLA/CFULA/CFWLA 7x7mm IFT		
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		
Tuning Capacitance	180pF		

 Matching of CERAFIL® SFPLA/CFULA/CFWLA 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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