

#### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of SFPLA450KF1A-B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=SFPLA450KF1A-B0

### SFPLA450KF1A-B0









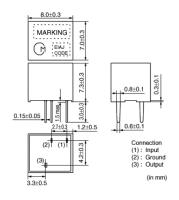
### **Applications**

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
-B0	Bulk	200



### **Features**

SFPLAseries 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.

1 of 3

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# SFPLA450KF1A-B0



# **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±6.0kHzmin.	
Selectivity(+)	40dB[fn+12.5kHz]	
Selectivity(-)	40dB[fn-12.5kHz]	
Stop Band Attenuation	27dBmin.[within fn±100kHz]	
Insertion Loss	6.0dBmax.(at minimum loss point)	
Ripple	1.5dBmax.[within fn±4kHz]	
GDT Deviation	20µsec.	
Input/Output Impedance	2000Ω	
Mass	1068mg	

2 of 3

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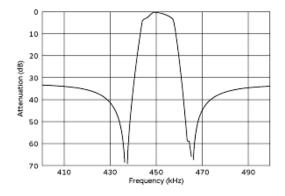
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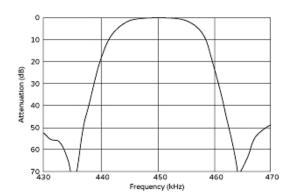
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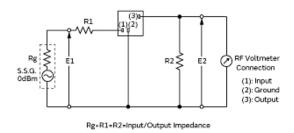
# SFPLA450KF1A-B0







### Frequency Characteristics (filter Only)



### Frequency Characteristics (with Ift)

Type	SFPLA/CFULA/CFWLA 7x7mm IFT		
Item			
Winding Specification	(1)—(2)	(2)—(3)	(4)—(6)
S(3) (2) (1) (4)S (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®.

Measurement Circuit

Recommended Ift

3 of 3

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