

#### Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of CFWLA450KG1Y-B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=CFWLA450KG1Y-B0

# CFWLA450KG1Y-B0









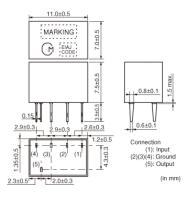
## **Applications**

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	150



### **Features**

CFWLA 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. Especially, CFWLA\_Y series improves the frequency fidelity in the high sound area of an AM stereo with its wide band and flat characteristics of group delay time.

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# **Specifications**

Operating Temperature Range	-20°C to 80°C		
Shape	Lead		
Elements	6		
Center Frequency	450.0kHz		
Center Frequency Tolerance	±1kHz		
Nominal Center Value	No		
6dB Bandwidth	fn±4.5kHzmin.		
GDT Bandwidth	4		
Selectivity(+)	50dB[fn+15kHz]		
Selectivity(-)	50dB[fn-15kHz]		
Stop Band Attenuation	40dBmin.[within fn±100kHz]		
Insertion Loss	11.0dBmax.(at minimum loss point)		
Ripple	1.0dBmax.[within fn±3kHz]		
GDT Deviation	20µsec.		
Input/Output Impedance	2000Ω		
Mass	690mg		

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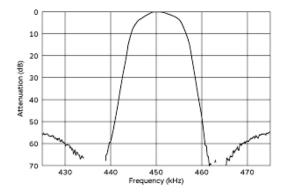
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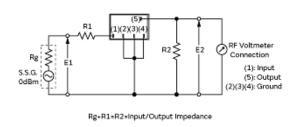
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## **Product Data**





### Frequency Characteristics (filter Only)

Туре	SFPLA/CFULA/CFWLA			
Item	7x7mm IFT			
Winding Specification	(1)—(2)	(2)—(3)	(4)—(6)	
(4)5 (2) (1) (Bottom view)	60T	125T	28T	
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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