

Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of SFULA455KU2B-B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=SFULA455KU2B-B0

SFULA455KU2B-B0









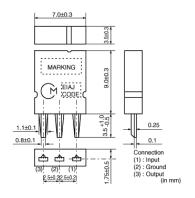
Applications

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
В0	Bulk	500



Features

SFULAseries 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. Center frequency range between 450 to 470kHz are available standard tolerance of +/-2kHz.
- 2. For frequency synthesizers, center frequencies of 450, 459 and 468kHz are available standard tolerance of +/-1kHz.

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Attention

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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	Lead			
Elements	1			
Center Frequency	462.0kHz			
Center Frequency Tolerance	±2kHz			
Nominal Center Value	No			
3dB Bandwidth	10.0kHz±3.0kHz			
Selectivity(+)	4dB[fo+10kHz]			
Selectivity(-)	6dB[fo-10kHz]			
Spurious Attenuation	10dBmin.[within 0.1 to 3MHz]			
Insertion Loss	5.0dBmax.(at minimum loss point)			
Ripple	0.0dB[within 3dBB.W.]			
GDT Deviation	20µsec.			
Input/Output Impedance	3000Ω			
Mass	347.98mg			

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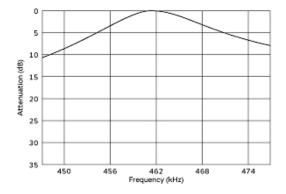
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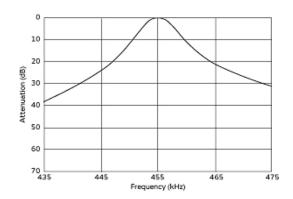
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Frequency Characteristics (filter Only)

(1) (2) (3) R2 ≶ E2 RF Voltmeter (2): Ground (3): Output Rg+R1=R2=Input and Output Impedance E1: S.S.G. Output Voltage

Frequency Characteristics (with Ift)

Type	SFULA□B			SFZLA_A		
Item	7x7mm IFT					
Winding Specification	(1)—(2)	(2)—(3)	(4)—(6)	(1)—(2)	(2)—(3)	(4)—(6)
5(3) (2) (1) (6)	70T	115T	7T	68T	84T	14T
(Bottom view)		105			90	
Tuning Capacitance	180pF			180pF		

 Matching of CERAFIL® SFULA/SFZLA series with IFT is decided by the IFT secondary side impedance, |Z2|. The design target values of |Z2| are: For SFULA \square B : 300Ω For SFZLA \square A : $1k\Omega$

Measurement Circuit

Recommended Ift

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