

### Product Search Data Sheet

Please download the latest datasheet of CFUKG455KG1X-R0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=CFUKG455KG1X-R0

Note: This datasheet may be out of date.

# CFUKG455KG1X-R0









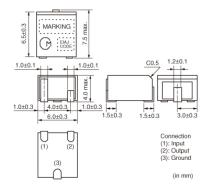
## **Applications**

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
-R0	180mm Embossed Tape	450



## **Features**

The CFUKG\_X series is comprised of small, highperformance, thin (4.0mm) filters consisting of 4 ceramic elements. The filters exhibit an extremely flat GDT characteristic combined with a narrow bandwidth. The filters are recommended for narrow band digital communication applications.

### Features

- 1. The filters are mountable by automatic placers.
- 2. The filters can be refl ow soldered and withstand washing.
- 3. They are slim, at only 4.0mm maximum thickness, and have a small mounting area (7.5x6.0mm) enabling flexible PCB design.
- 4. The bandwidth ranges from E to H.
- 5. Operating temperature range: -20 to +80 (degrees C), Storage temperature range: -40 to +85 (degrees C)

1 of 3

#### 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





## Product Search Data Sheet

Note: This datasheet may be out of date.  $Please\ download\ the\ latest\ data sheet\ of\ CFUKG455KG1X-R0\ from\ the\ official\ website\ of\ Murata$ Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=CFUKG455KG1X-R0

# CFUKG455KG1X-R0



# **Specifications**

Operating Temperature Range	-20°C to 80°C
Shape	SMD
Elements	4
Center Frequency	455.0kHz
Center Frequency Tolerance	±1kHz
Nominal Center Value	No
6dB Bandwidth	fn±4.5kHzmin.
Stop Bandwidth	12.5kHz
Area of Stop Bandwidth	[within 40dB]
Stop Band Attenuation	25dB[within fn±100kHz]
Insertion Loss	6.0dB[at minimum loss point]
Ripple	1.0dB[within fn±3kHz]
GDT Deviation	25.0µs[within fn±3kHz]
Input/Output Impedance	1500Ω
Mass	504mg

2 of 3

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.



## Product Search Data Sheet

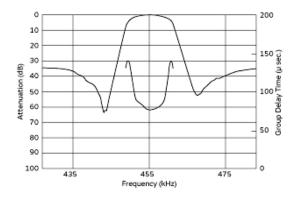
Note: This datasheet may be out of date. Please download the latest datasheet of CFUKG455KG1X-R0 from the official website of Murata Manufacturing Co., Ltd.

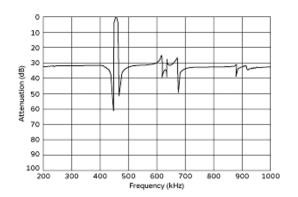
http://www.murata.com/en-us/products/productdetail?partno=CFUKG455KG1X-R0

# CFUKG455KG1X-R0



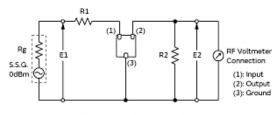
## **Product Data**





Frequency Characteristics

Spurious Response



Rg+R1=R2=Input/Output Impedance

Measurement Circuit

3 of 3

## 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.

