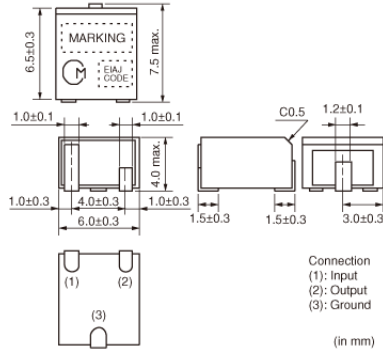


# CFUKG455KF4X-R0



## Appearance & Shape



## 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 reflow 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)

## Applications

Other Usage: Communication Equipment

## Packaging Information

Packaging	Specifications	Minimum Order Quantity
-R0	180mm Embossed Tape	450

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

# CFUKG455KF4X-R0



## Specifications

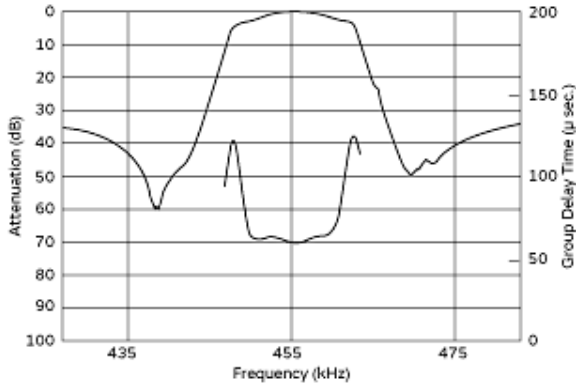
Operating Temperature Range	-20°C to 80°C
Shape	SMD
Elements	4
Center Frequency	455.0kHz
Center Frequency Tolerance	±1.5kHz
Nominal Center Value	No
6dB Bandwidth	$f_n \pm 6.0\text{kHzmin.}$
Stop Bandwidth	15.0kHz
Area of Stop Bandwidth	[within 40dB]
Stop Band Attenuation	27dB[within $f_n \pm 100\text{kHz}$ ]
Insertion Loss	6.0dB[at minimum loss point]
Ripple	1.0dB[within $f_n \pm 4\text{kHz}$ ]
GDT Deviation	25.0 $\mu\text{s}$ [within $f_n \pm 4\text{kHz}$ ]
Input/Output Impedance	1500 $\Omega$

### Attention

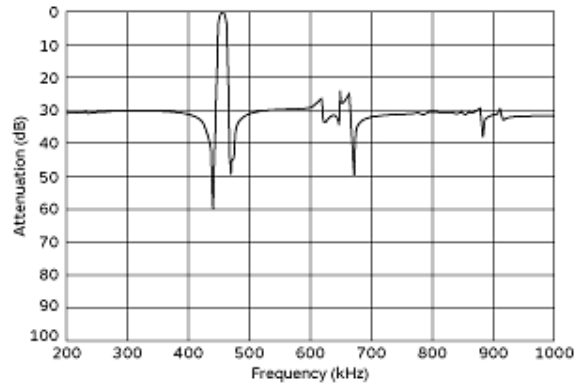
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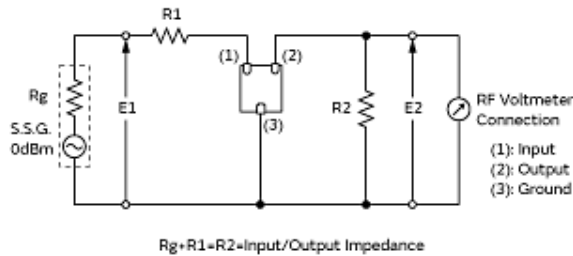
## Product Data



Frequency Characteristics



Spurious Response



Measurement Circuit

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