muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of SFSKB2M30GF00-R1 from the official website of Murata Manufacturing Co., Ltd.

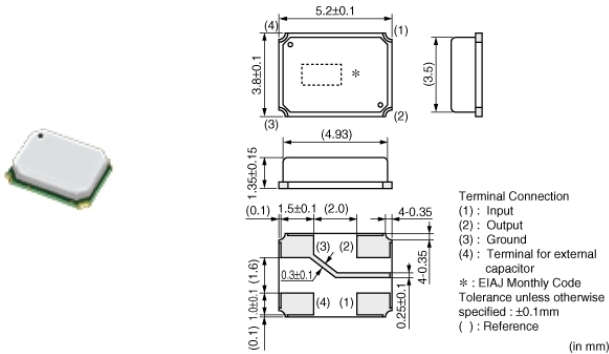http://www.murata.com/en-sg/products/productdetail?partno=SFSKB2M30GF00-R1

SFSKB2M30GF00-R1

Discontinued   RoHS   REACH

Applications

Unsuitable Applications	Please be sure to read and comply with 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.

Packaging Information

Packaging	Specifications	Standard Packing Quantity
-R1	330mm Embossed Tape	3000

Appearance & Shape

Terminal Connection
(1) : Input
(2) : Output
(3) : Ground
(4) : Terminal for external capacitor
✻ : EIAJ Monthly Code
Tolerance unless otherwise specified : ±0.1mm
( ) : Reference

(in mm)

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SFSKB2M30GF00-R1

Features

The SFSKB series are SMD ceramic filters suitable for IR headphone applications. Center frequencies of 2.3, 2.8, 3.2, 3.8, 4.3, 4.8, 5.2, 5.7MHz are available. Realized small, thin and lightweight package, compared with conventional LC filters. It helps to compose multi-channel circuit on one PCB. No frequency adjustment is required on PCB and it contributes to the reduction of production cost.

Features
1. SMD package in plastic emboss tape, available for automatic placing.
2. They are slim, at only 1.5mm max. thickness, and have a small mounting area (5.2x3.8mm) enabling flexible PCB design.
3. Available for lead (Pb) free reflow soldering process.
4. Operating temperature range: 0 to +70 (degrees C), Storage temperature range: -55 to +85 (degrees C)
5. No frequency adjustment is required in production process.
6. Small, thin and lightweight package compared with conventional LC filters.

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Specifications

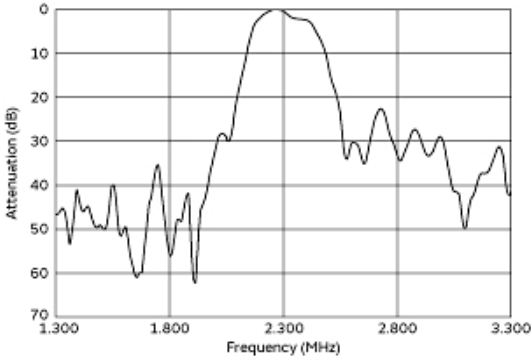|	
Operating Temperature Range	0℃ to 70℃
Shape	SMD
Elements	2
Center Frequency	2.300MHz
Nominal Center Value	Yes
3dB Bandwidth	fn±75kHzmin.
Stop Bandwidth	650kHz
Stop Band Attenuation	25dB[at 2.8MHz]
Spurious Attenuation	25dB[within 1.3 to 1.8MHz]
Insertion Loss	6.0dBmax.
Input/Output Impedance	1000Ω
Mass	68mg

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SFSKB2M30GF00-R1

Product Data

Frequency Characteristics

Spurious Response

R1+Rg+R2=1.0kΩ
Cc=22pF±5%
C2=10pF (Including stray capacitance and
        Input capacitance of RF Voltmeter)
E1: S.S.G. Output Voltage

(1): Input
(2): Output
(3): Ground
(4): Terminal for
     external capacitor

Measurement Circuit

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.
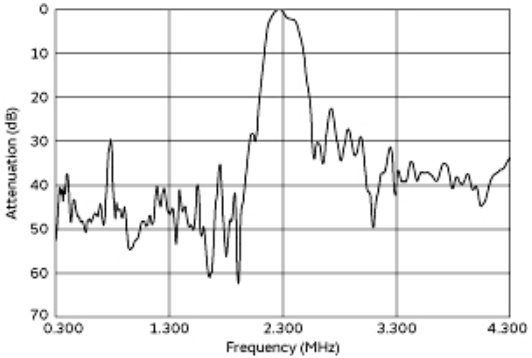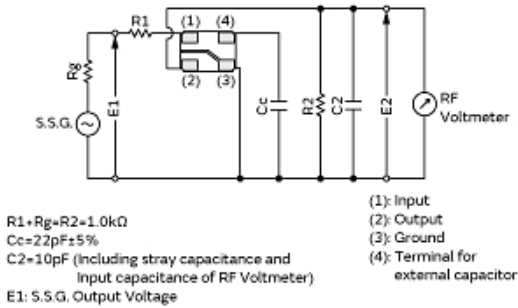Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.