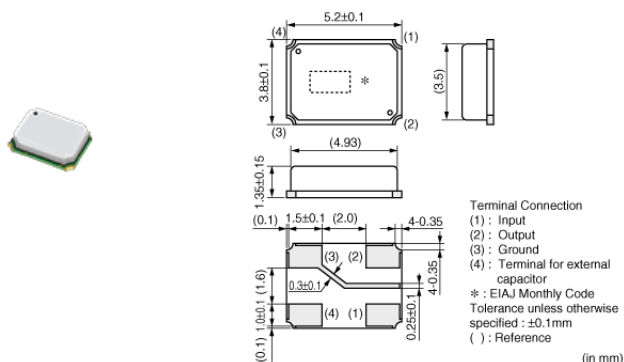


SFSKB2M30GF00-R1

In Production RoHS REACH

Appearance & Shape



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.

Applications

Other Usage	Audio Visual Equipment
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
Packaging Information

Packaging	Specifications	Minimum Order Quantity
-R0	330mm Embossed Tape	3000

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 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.

SFSKB2M30GF00-R1



Specifications

Operating Temperature Range	0°C to 70°C
Shape	SMD
Elements	2
Center Frequency	2.300MHz
Nominal Center Value	Yes
3dB Bandwidth	$f_n \pm 75\text{kHzmin.}$
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

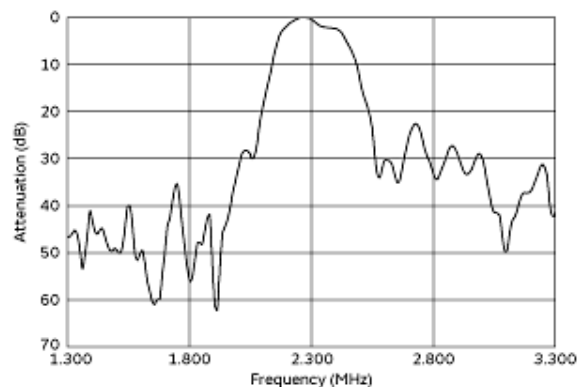
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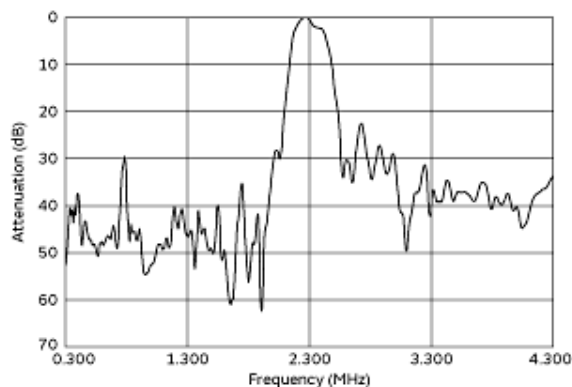
SFSKB2M30GF00-R1



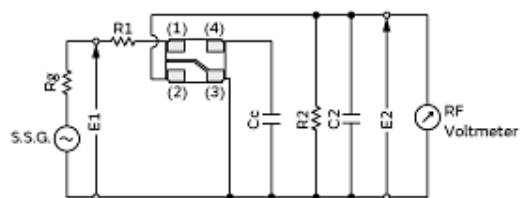
Product Data



Frequency Characteristics



Spurious Response



$R1 + R2 = 1.0 \text{ k}\Omega$

$Cc = 22 \text{ pF} \pm 5\%$

$C2 = 10 \text{ pF}$ (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

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