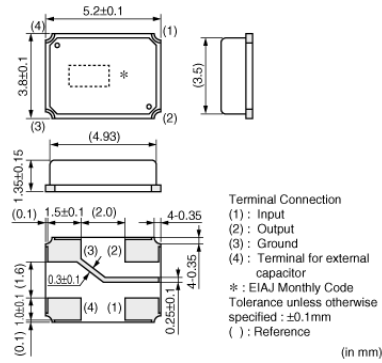


SFSKB2M30GF00-R1

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 |
|-------------|------------------------|

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, its 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 |

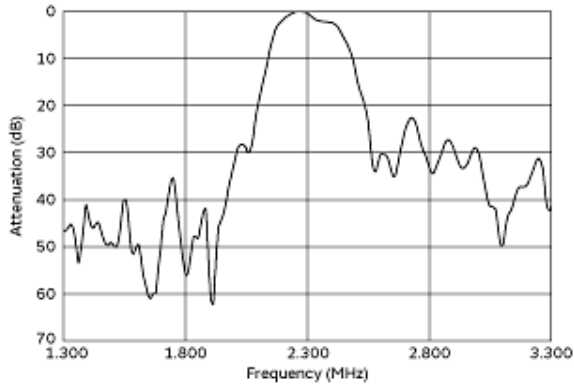
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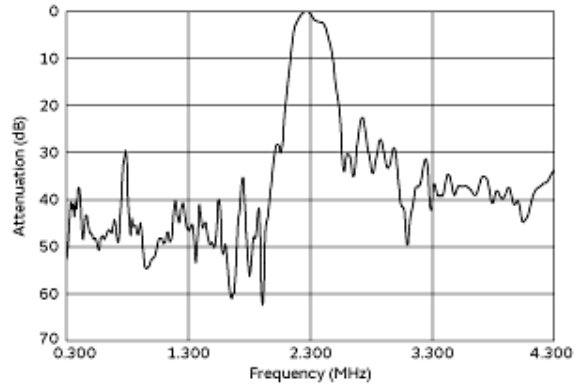
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SFSKB2M30GF00-R1

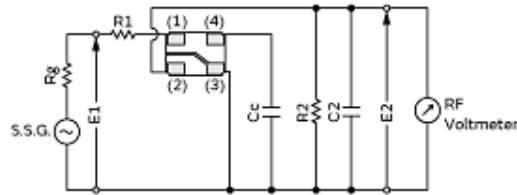
Product Data



Frequency Characteristics



Spurious Response



$R1 + Rg + R2 = 1.0k\Omega$
 $Cc = 22pF \pm 5\%$
 $C2 = 10pF$ (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

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.