

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of CFWLA450KD1Y-B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=CFWLA450KD1Y-B0

CFWLA450KD1Y-B0









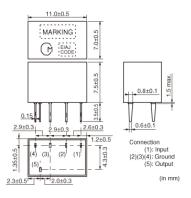
Applications

| 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 |
|-----------|----------------|---------------------------------|
| -B0 | Bulk | 150 |



Features

CFWLA series for AM use is one of the most suitable intermediate filters, having such distinctive features as high selectivity, high stability, high attenuation, and adjustment-free operation. Additionally, its easy matching with IC helps create an easy circuit design. Especially, CFWLA_Y series improves the frequency fidelity in the high sound area of an AM stereo with its wide band and flat characteristics of group delay time.

1 of 3

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





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Specifications

| -20°C to 80°C | | |
|----------------------------------|--|--|
| Lead | | |
| 6 | | |
| 450.0kHz | | |
| ±1kHz | | |
| No | | |
| fn±10.0kHzmin. | | |
| 8 | | |
| 50dB[fn+25kHz] | | |
| 50dB[fn-25kHz] | | |
| 40dBmin.[within fn±100kHz] | | |
| 8.0dBmax.(at minimum loss point) | | |
| 1.0dBmax.[within fn±7kHz] | | |
| 20µsec. | | |
| 1500Ω | | |
| 690mg | | |
| | | |

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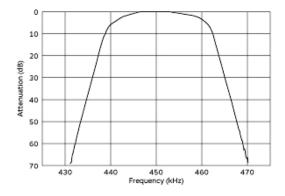
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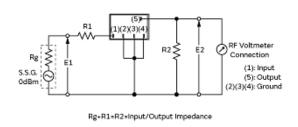
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Product Data





Frequency Characteristics (filter Only)

| Туре | SFPLA/CFULA/CFWLA | | | |
|-------------------------------------|-------------------|---------|---------|--|
| Item | 7x7mm IFT | | | |
| Winding Specification | (1)—(2) | (2)—(3) | (4)—(6) | |
| (4)5 (2) (1) (Bottom view) | 60T | 125T | 28T | |
| No load Qu | 40 | | | |
| Tuning Capacitance | 180pF | | | |

 Matching of CERAFIL® SFPLA/CFULA/CFWLA series with IFT is decided by the Qu of IFT and IFT secondary side impedance, |Z2|. Set the Qu at about 40 because a Qu value which is too high (e.g., 90) may produce ripple in the waveform. It is recommended to match the impedance of |Z2| with that of the CERAFIL®.

Recommended Ift

Measurement Circuit

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