

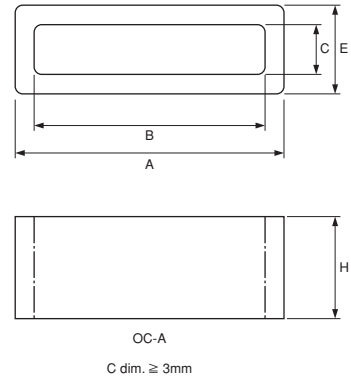
Ferrite Cores for EMI Suppression Flat Cables

Wide Type FSRC Series

■ Appearance



■ Dim. illustration



■ Features

Murata offers a series of wide hold type cores as well. Flat cables are passed through and applied as a Ring core in a tiny space where the lead line and connector passes through.

■ Applications

1. For data-processing equipment (PC, PDA, game machine, etc.), and peripheral equipment (printer, HDD, display, etc.)
2. For digital equipment (DSC, DVC, DVD recorder, mobile phone, digital audio, optical drive, PDP/LCD/FED, facsimile, etc.)

■ Rated Value

Part Number	A : Outer Dimension	B : Inner Dimension	H : Length Dimension	E : Width Dimension	C : Gap Dimension	Impedance at 100MHz	Number of Turn	Note
FSRC142150RTB00T	14.0mm \pm 0.4mm	9.0mm \pm 0.4mm	15.0mm \pm 0.5mm	9.0mm \pm 0.4mm	4.0mm \pm 0.4mm	90ohm (typ.)	1	Wide Type

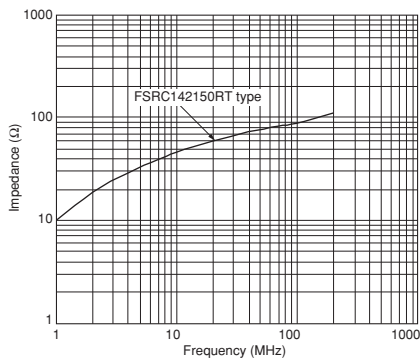
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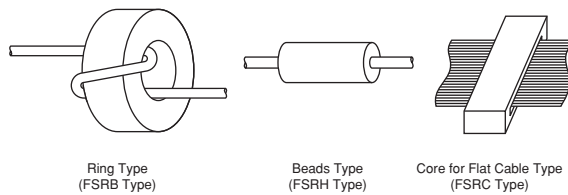
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Impedance Frequency Characteristics
FSRC142



Cases to Use



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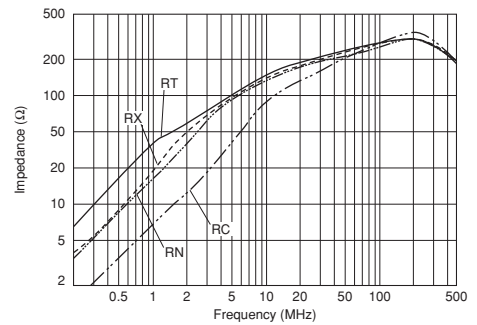
■ Data/Notice

■ Standard Characteristics of Ferrite Materials

Material	μ i	Bs (mT)	Tc (°C)	ρ (Ω -m)
RT	1600	290	≥ 110	$>10^5$
RX	750	330	≥ 110	$>10^5$
RN	550	310	≥ 130	$>10^5$
RC	250	320	≥ 140	$>10^5$

Size of Ferrite Core (30 ϕ - 20 ϕ - 6)

■ Ferrite Material Comparison



Size of Ferrite Core (30 ϕ - 20 ϕ - 6)
N=3 turns

■ Notice (Storage and Operating Condition)

This product is designed for use in the following environment:

FSRH/FSRB/FSRC

Operating Temperature: -25 to 85°C

Storage Temperature: -25 to 125°C

FSSA_S

Operating Temperature: -25 to 85°C

Storage Temperature: -25 to 85°C

Do not use in the following environments or under the following conditions:

1. Ambient air containing corrosive gas
(Chlorine gas, hydrogen sulfide gas, ammonia gas, sulfuric acid gas, nitric oxide gas, etc.)
2. In liquid
3. Other environments similar to 1 through 2

■ Notice (Handling)

1. Protect product from damage that may occur in transit such as cracking of the core.
2. Handle product with care. Do not drop or throw.
3. Do not apply excessive force to the product.

FSSA_S Storage:

Store in manufacturer's package or tightly re-closed box with following conditions.

Temperature: -10 to +35°C

Humidity: 15 to 85% RH

Use this product within 6 months after receipt.

Storage in high temperature, high humidity or quick temperature change will damage the function of the tape.

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