

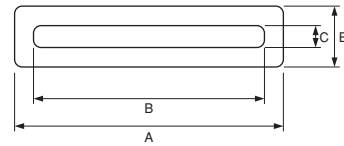
Ferrite Cores for EMI Suppression Flat Cables

Standard Type FSRC Series

■ Appearance



■ Dim. illustration



OC-B
Normal type

■ Features

Murata offers the largest line-up of this type in the world. Our wide offering of core products enables us to meet many of today's application requirements.

■ 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
FSRC140120RX000T	13.8mm ±0.4mm	9.6mm ±0.4mm	12.0mm ±0.4mm	5.0mm ±0.4mm	0.8mm ±0.4mm	78ohm (typ.)	1	-
FSRC140200RXB00T	13.8mm ±0.4mm	9.6mm ±0.4mm	20.0mm ±0.7mm	5.0mm ±0.4mm	0.8mm ±0.4mm	126ohm (typ.)	1	-
FSRC141060RXB00T	13.8mm ±0.4mm	10.8mm ±0.4mm	6.0mm ±0.4mm	5.0mm ±0.4mm	1.3mm ±0.4mm	39ohm (typ.)	1	-
FSRC170090RTB00T	17.0mm ±0.4mm	13.0mm ±0.4mm	9.0mm ±0.4mm	5.0mm ±0.4mm	0.8mm ±0.4mm	53ohm (typ.)	1	-
FSRC170120RT000T	17.0mm ±0.4mm	13.0mm ±0.4mm	12.0mm ±0.4mm	5.0mm ±0.4mm	0.8mm ±0.4mm	75ohm (typ.)	1	-
FSRC240150RX000T	23.8mm ±0.5mm	18.8mm ±0.5mm	15.0mm ±0.4mm	6.3mm ±0.4mm	1.1mm ±0.3mm	76ohm (typ.)	1	-

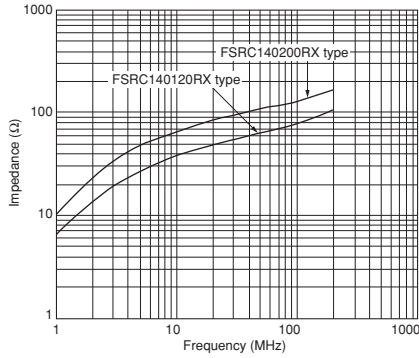
Continued on the following page.

⚠Note:

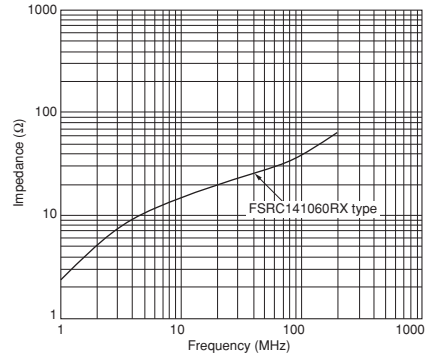
1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

Continued from the preceding page.

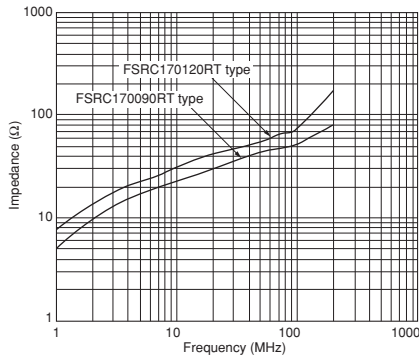
**Impedance Frequency Characteristics
FSRC140**



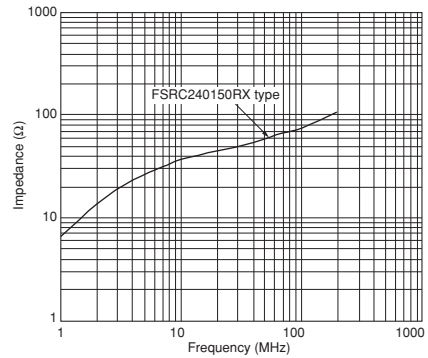
**Impedance Frequency Characteristics
FSRC141**



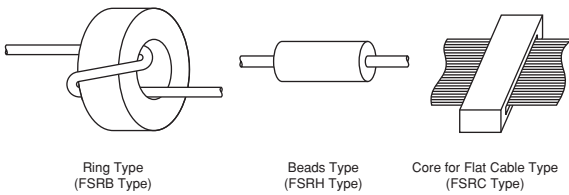
**Impedance Frequency Characteristics
FSRC170**



**Impedance Frequency Characteristics
FSRC240**




Cases to Use



Continued on the following page.

Note:

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 approve our product specifications or transact the approval sheet for product specifications before ordering.

 Continued from the preceding page.

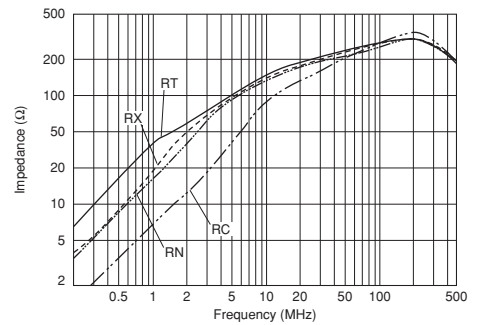
■ Data/Notice

■ Standard Characteristics of Ferrite Materials

Material	μ	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.

⚠Note:

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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 approve our product specifications or transact the approval sheet for product specifications before ordering.