

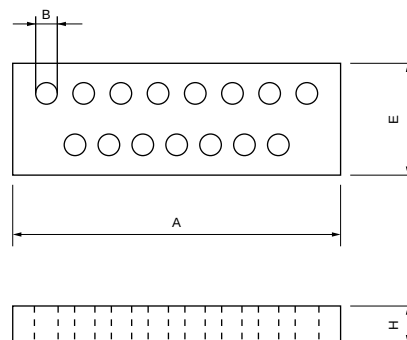
Ferrite Cores for EMI Suppression Multi-hole Cores

FSSA Series

■ Appearance



■ Dim. illustration



FSSA Type for Connector

■ Features

1. Easy to use and excellent noise suppression. Data lines can be passed through core or wound around core several times.
2. Effective for suppressing noise at high frequencies

Murata can also supply Resin coated core which is shatter-proof with continuous noise removal functionality.

Please ask us about the resin coated core, if necessary.

■ Applications

1. For Data-processing equipment (PC, PDA, Game machine, etc.), and peripheral equipments (Printer, FDD, HDD, Display, etc.)
2. For digital equipments (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	Impedance at 100MHz	Note
FSSA160025RN000T	16.0mm±0.2mm	1.15mm	2.50mm±0.15mm	6.4mm±0.1mm	43ohm(typ.)	for Connector
FSSA240025RN000T	24.0mm±0.2mm	1.15mm	2.50mm±0.15mm	6.4mm±0.1mm	45ohm(typ.)	for Connector

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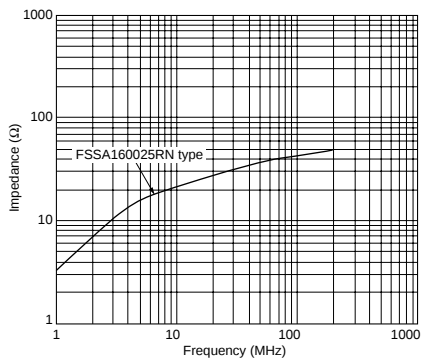
⚠ Note:

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.

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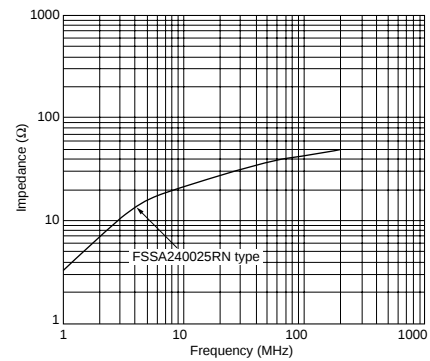
■ Impedance Frequency Characteristics

FSSA160

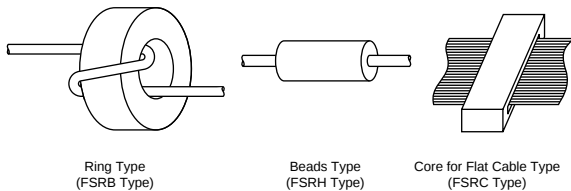


■ Impedance Frequency Characteristics

FSSA240



■ Cases to Use



Ring Type
(FSRB Type)

Beads Type
(FSRH Type)

Core for Flat Cable Type
(FSRC Type)

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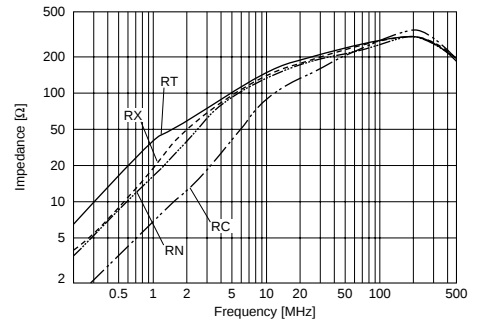
■ Data/Notice

■ 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/FSMA/FSSA_T

Operating Temperature: -25 to 85 degrees C

Storage Temperature: -25 to 125 degrees C

FSSA_S

Operating Temperature: -25 to 85 degrees C

Storage Temperature: -25 to 85 degrees 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 core.
2. Handle product with care. Do not drop and throw.
3. Do not apply excessive force to the product.

FSSA_S Storage

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

Temperature: -10 to +35 degrees C

Humidity: 15 to 85% RH

Use this product within 6 months after receipt.

The storage in high temperature, high humidity or quick temperature change will damage to the function of tape.

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