

# FDA1254-H-4R7M=P3 Datasheet



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DiGi Electronics Part Number	FDA1254-H-4R7M=P3-DG
Manufacturer	<a href="#">Murata Electronics</a>
Manufacturer Product Number	FDA1254-H-4R7M=P3
Description	FIXED IND 4.7UH 10.2A 8.8MOHM SM
Detailed Description	4.7 $\mu$ H Shielded Drum Core, Wirewound Inductor 10 .2 A 8.8mOhm Max Nonstandard



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## Purchase and inquiry

Manufacturer Product Number:

FDA1254-H-4R7M=P3

Series:

-

Type:

Drum Core, Wirewound

Inductance:

4.7  $\mu$ H

Current Rating (Amps):

10.2 A

Shielding:

Shielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

100 kHz

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.213" (5.40mm)

Manufacturer:

Murata Electronics

Product Status:

Obsolete

Material - Core:

Metal

Tolerance:

$\pm$ 20%

Current - Saturation (Isat):

11.2A

DC Resistance (DCR):

8.8mOhm Max

Frequency - Self Resonant:

-

Operating Temperature:

-20°C ~ 100°C

Features:

-

Package / Case:

Nonstandard

Size / Dimension:

0.508" L x 0.496" W (12.90mm x 12.60mm)

Base Product Number:

FDA1254

## Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8504.50.8000

ECCN:

EAR99

# FDA1254-H-4R7M#

“#” at the end indicates the package specification code.



< List of part numbers with package codes >  
FDA1254-H-4R7M=P3

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy 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.
Recommended Applications	Consumer equipment

## Notices

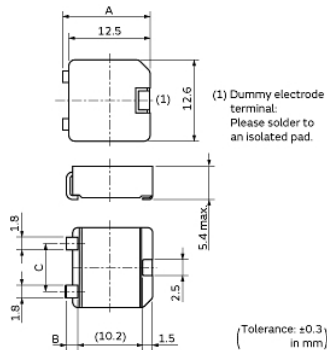
Rated current ( $I_{sat}$ ) is specified when the decrease of the initial inductance value at 20%. Rated current ( $I_{temp}$ ) is specified when temperature of the inductor is raised 40°C by DC current.

## References

Packaging	Specifications	Standard Packing Quantity
=P3	330 Embossed Tape	500

Mass (typ.)	
1 piece	4.361g


## Appearance & Shape



**Attention**  
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 review our product specifications or consult the approval sheet for product specifications before ordering.

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## Specifications

L size	12.6±0.3mm
W size	12.5±0.3mm
T size	5.4mm
Size code inch (mm)	5049 (126125)
Inductance	4.7μH±20%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	11200mA
Rated current (Itemp) (Based on Temperature rise)	10200mA
Max. of DC resistance	0.0088Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Shielded (Metal Alloy)
Absolute maximum voltage	30Vdc
Brand	Murata
Dimensions	A:12.9mmB:1.2mmC:7.6mm
Series	FDA1254

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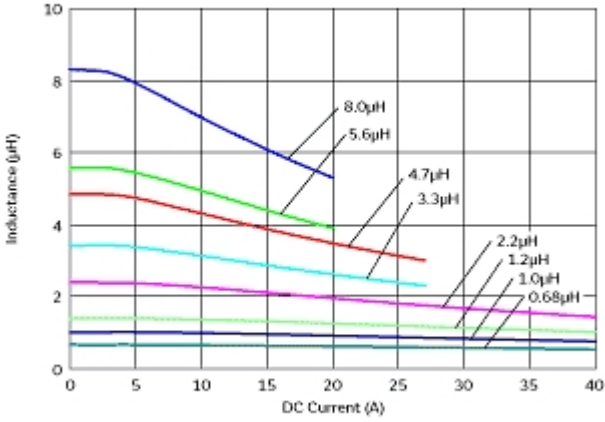
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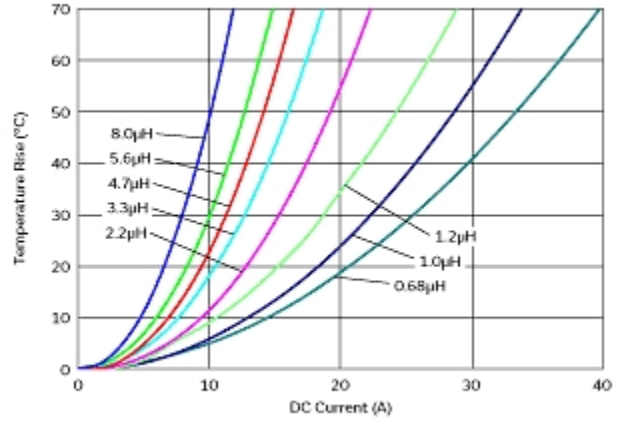
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## Characteristic Data



Impedance - Current Characteristics



Temperature Increase Characteristic

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