muRata Inductor Data Sheet

MBH12575C-470MA# "#" indicates a package specification code.



< List of part numbers with package codes > MBH12575C-470MA=P3

Shape

(in mm) 12.8 mm L size W size 12.8 mm T size 6.8 mm Size code in inch (mm) 5050 (128128)

Notes

Rated current (lsat) is specified when the decrease of the initial inductance value at 10%. (The ambient reference temperature is 25°C) Rated current (Itemp) is specified when temperature of inductor the is raised 40°C by DC current. (The ambient reference temperature is 25°C)

References

Packaging code	Specifications	Minimum quantity
=P3	ф330mm Embossed taping	300

Mass (Typ.)	
1 piece	3.767601g

Specifications

Inductance	47μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	2100mA
Rated current (Itemp) (Based on Temperature rise)	2700mA
Max. of DC resistance	0.0636Ω
Avg. of DC resistance	0.053Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~150°C
Class of magnetic shield	Ferrite Core
Series	MBH12575C

1 of 3

🔔 Attention

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

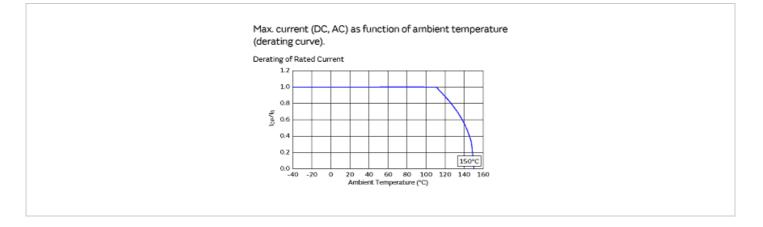
without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications

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





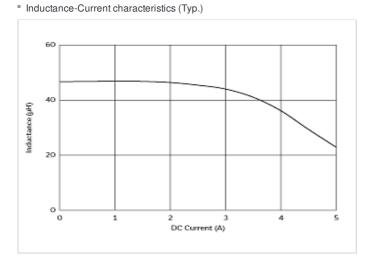


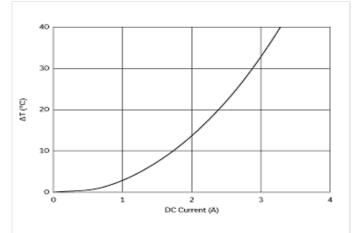
🔔 Attention

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.
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.



Chart of characteristic data (The charts below may show another part number which shares its characteristics.)





Temperature rise characteristics (Typ.)

🔔 Attention

 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.
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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Murata: MBH12575C-470MA=P3