muRata Inductor Data Sheet

FDVE1040-H-4R7M#   "#" indicates a package specification code.

| In Production | General | 100℃ | Wound (Metal) | RoHS | REACH |

< List of part numbers with package codes >

FDVE1040-H-4R7M=P3

Shape

(Tolerance: ±0.3 in mm)
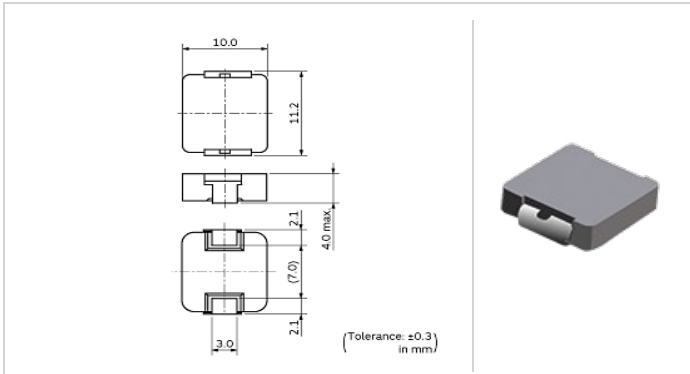
L size	11.2 ±0.3mm
W size	10.0 ±0.3mm
T size	4.0 mm
Size code in inch (mm)	4440 (112100)

Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 20%. (The ambient reference temperature is 20℃.)
Rated current (Itemp) is specified when temperature of inductor the is raised 40℃ by DC current. (The ambient reference temperature is 20℃.)

References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	500

| Mass (Typ.)	
1 piece	2.35g

Specifications

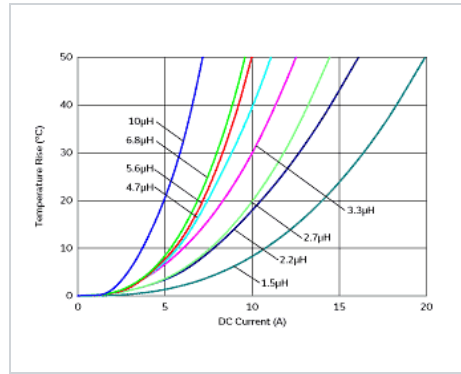| Inductance | 4.7μH ±20% |
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	8200mA
Rated current (Itemp) (Based on Temperature rise)	8000mA
Max. of DC resistance	0.0138Ω
Operating temperature range (Self-temperature rise is included)	-20～100℃
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30V DC
Series	FDVE1040

⚠ 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.

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

Inductance-Current characteristics (Typ.)
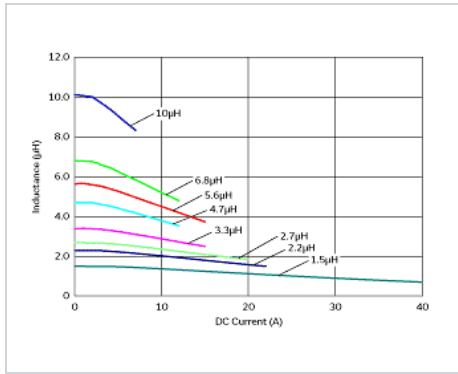
Temperature rise characteristics (Typ.)

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