muRata Inductor Data Sheet

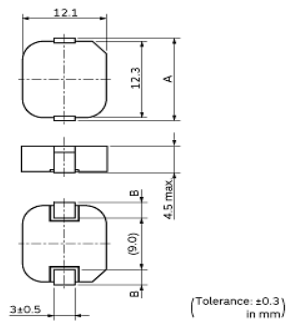
FDUE1245-H-2R2M#

"#" indicates a package specification code.

In Production | General | 100 °C max. | Wound (Metal) | RoHS | REACH

< List of part numbers with package codes >
FDUE1245-H-2R2M=P3

Shape





L size	12.3 ±0.3mm
W size	12.1 ±0.3mm
T size	4.5 mm
Size code in inch (mm)	4848 (123121)
Dimensions	A:13.2mm B:2.1mm

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	3.75g

Specifications

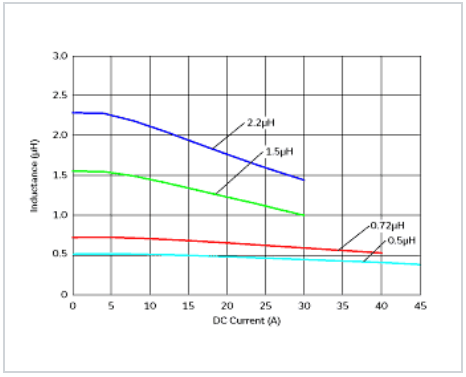
Inductance	2.2µH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	14000mA
Rated current (Itemp) (Based on Temperature rise)	17000mA
Max. of DC resistance	0.00360Ω
Avg. of DC resistance	0.0034Ω±7%
Operating temperature range (Self-temperature rise is included)	-20～100℃
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30V DC
Series	FDUE1245

Attention

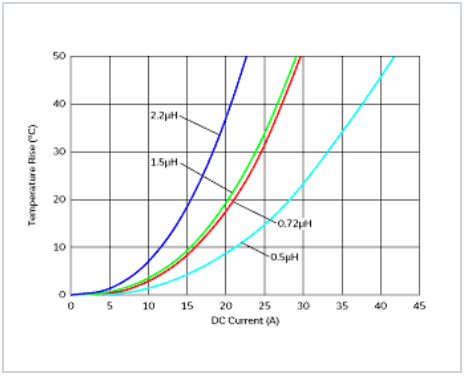
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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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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