

## FDUE1245-H-1R5M#

#" indicates a package specification code.

In Production

General

125 °C max.

Wound (Metal)

Reflow OK

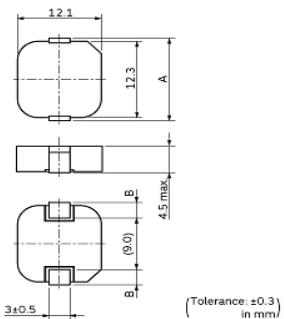
RoHS

REACH

&lt; List of part numbers with package codes &gt;

FDUE1245-H-1R5M=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%.

Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current.

## References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	500

Mass (Typ.)	
1 piece	3.75g

## Specifications

Inductance	1.5µH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	17000mA
Rated current (Itemp) (Based on Temperature rise)	20000mA
Max. of DC resistance	0.00241Ω
Avg. of DC resistance	0.00226Ω±7%
Operating temperature range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30V DC
Series	FDUE1245

1 of 2

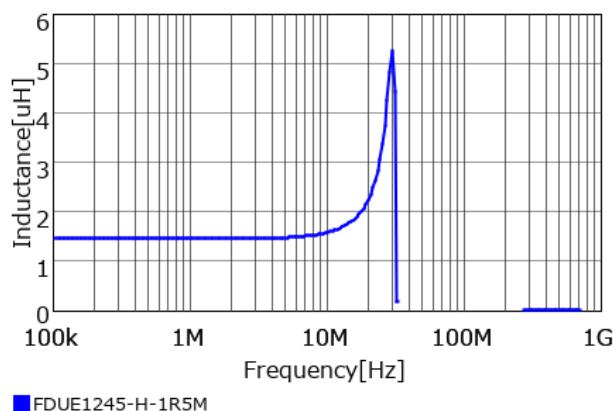
## Attention

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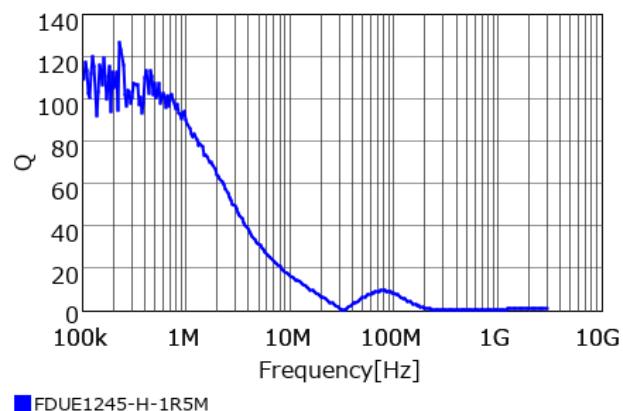
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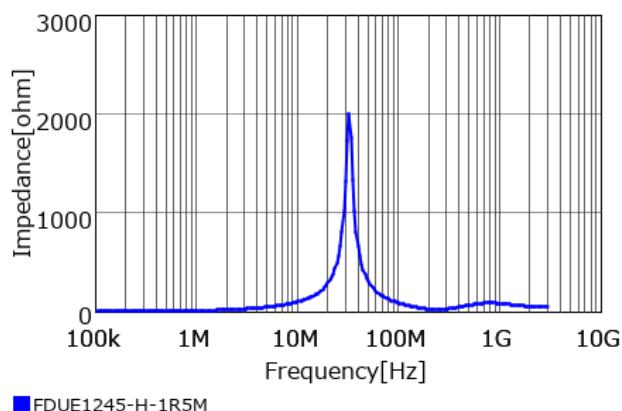
Frequency Characteristic (L)



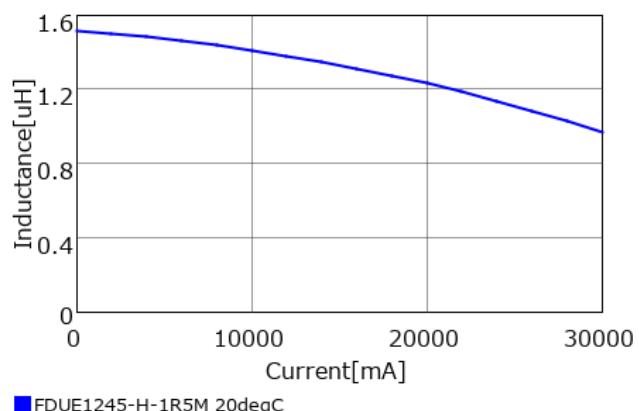
Frequency Characteristic (Q)



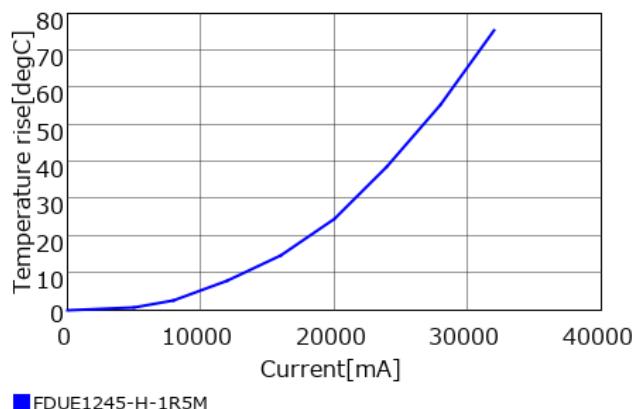
Frequency Characteristic (Z)



L-Current



Temperature rise characteristics



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