

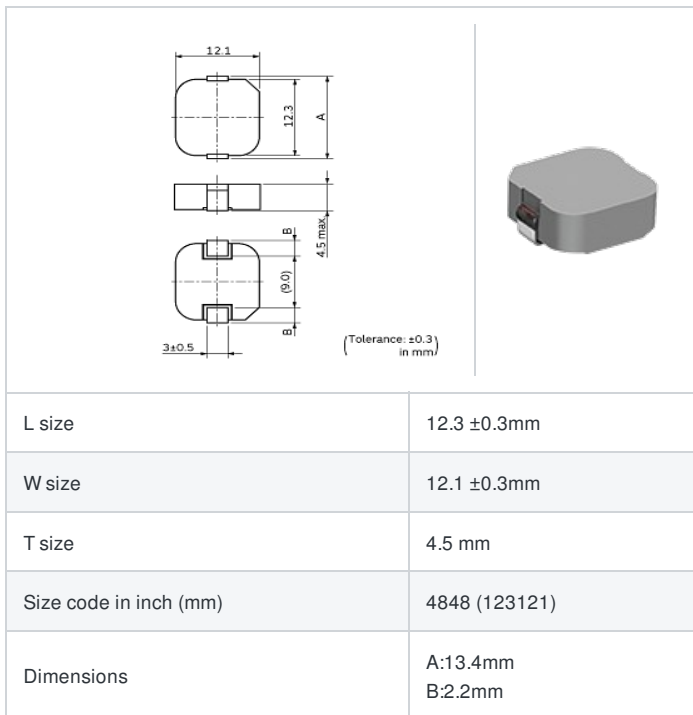
# FDUE1245-H-R50M#

# indicates a package specification code.



< List of part numbers with package codes >  
FDUE1245-H-R50M=P3

## Shape



## 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	0.5μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	28000mA
Rated current (Itemp) (Based on Temperature rise)	30000mA
Max. of DC resistance	0.00085Ω
Avg. of DC resistance	0.0008Ω±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

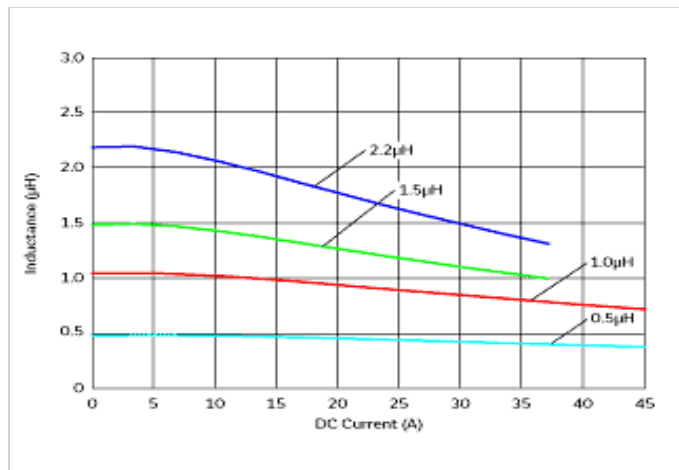
1 of 2

### Attention

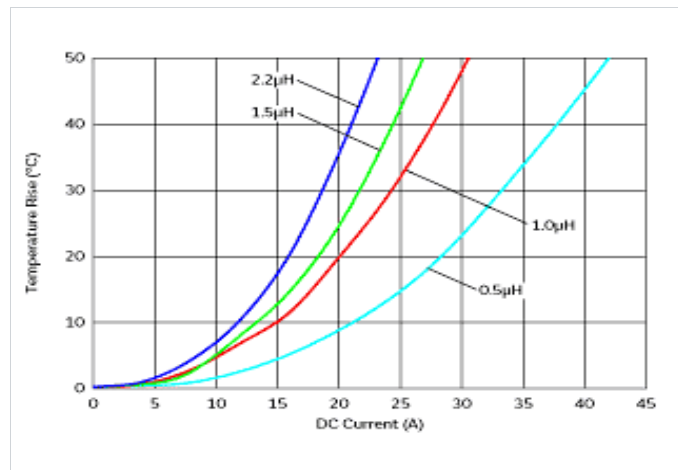
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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