

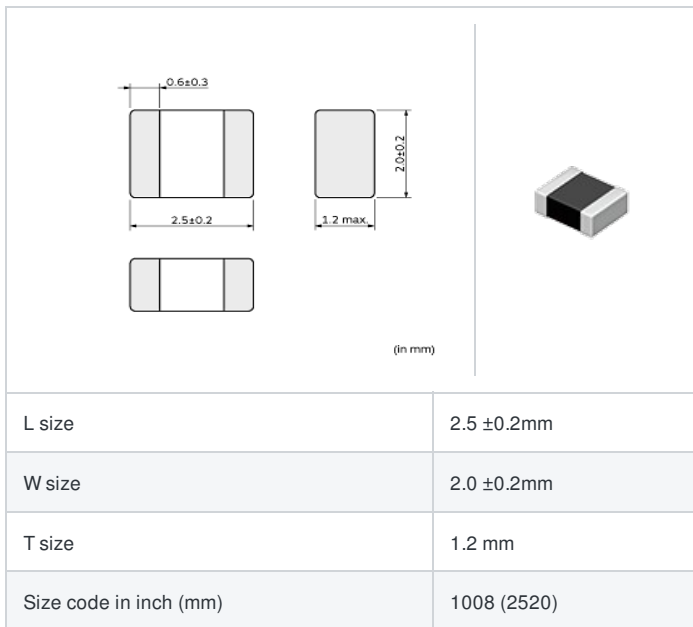
DFE2HCAHR47MJ0#

indicates a package specification code.



< List of part numbers with package codes >
DFE2HCAHR47MJ0L

Shape



Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%.

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

Keep the temperature (ambient temperature plus self-generation of heat) under 150 °C.

References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.0324g

Specifications

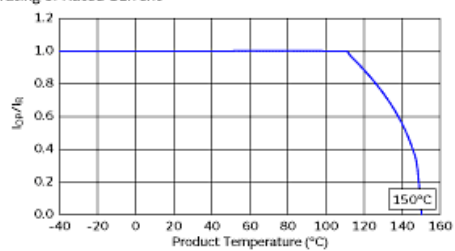
Inductance	0.47μH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	5.1A
Rated current (Itemp) (Based on Temperature rise)	4.5A
Max. of DC resistance	0.025Ω
Operating temperature range (Self-temperature rise is included)	-40°C to 150°C
Operating temperature range (Self-temperature rise is not included)	-40°C to 110°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30V DC
Series	DFE2HCAH_J0

Attention

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Max. current (DC, AC) as function of product temperature
(derating curve).

Derating of Rated Current

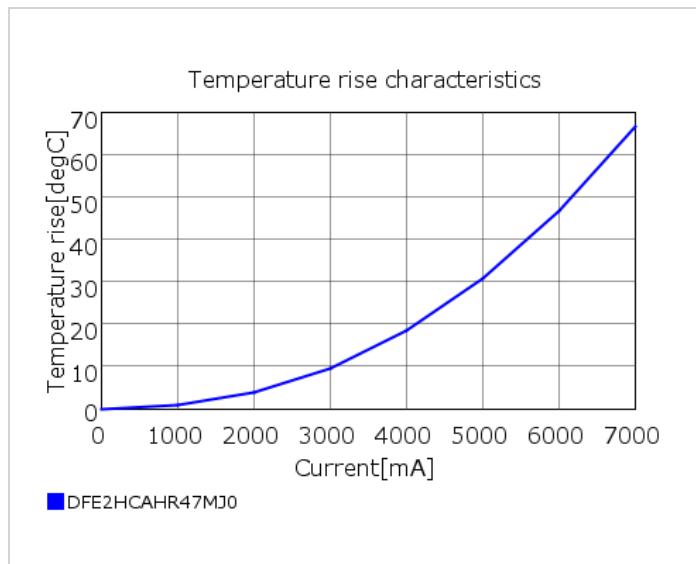
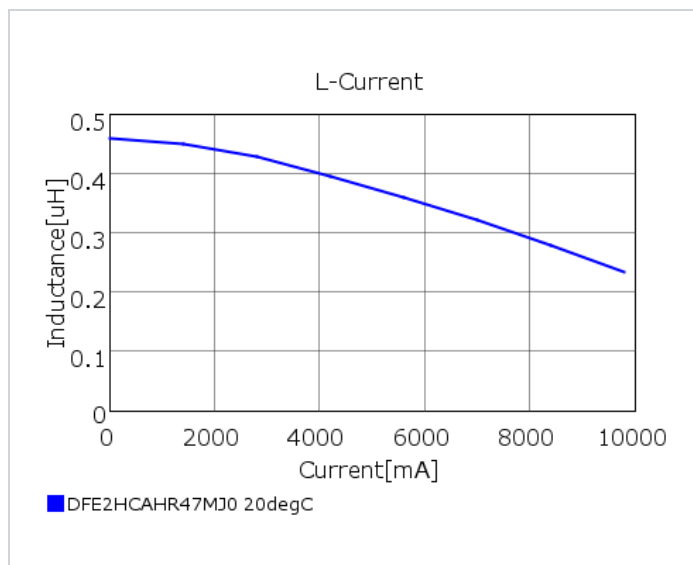
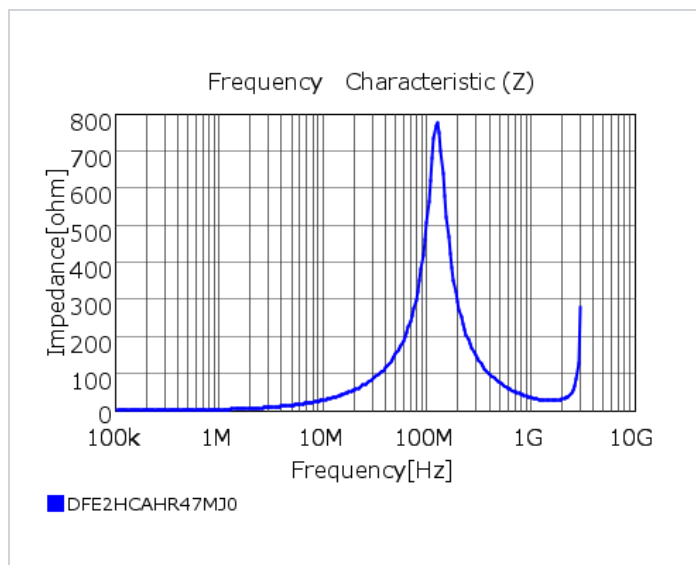
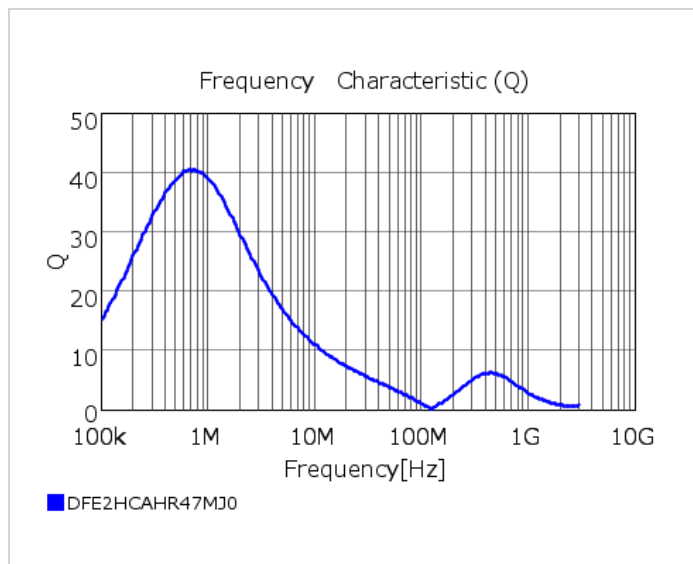
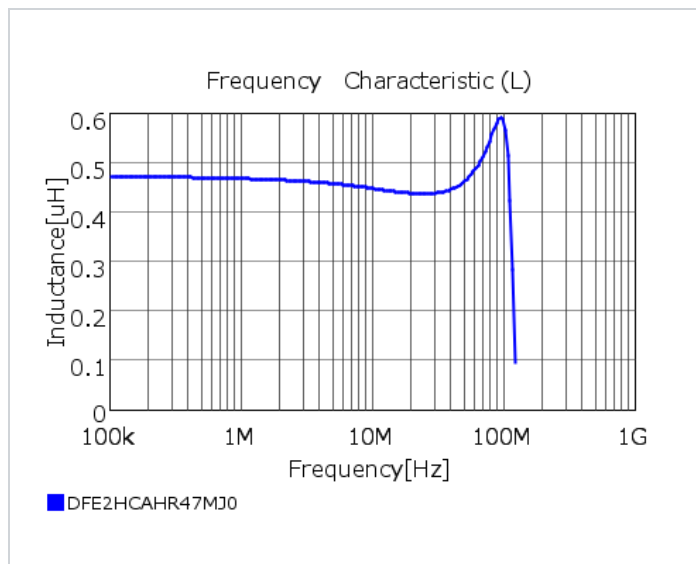


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