

# DFE32CAHR47MR0#

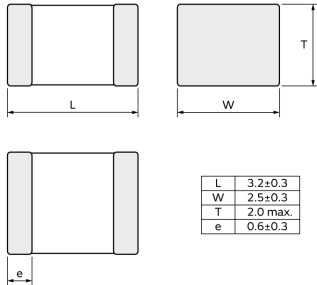
“#” indicates a package specification code.

The industry's highest class of saturation current and low resistance in 1210 size



< List of part numbers with package codes >  
DFE32CAHR47MR0L

## Appearance & Shape



(in mm)

## Notices

The saturation allowable DC current value is specified when the decrease of the initial Inductance value at 30%. When a rated current (based on Temperature rise) is applied, the temperature rise due to self-heating of the product is 40°C or less. Keep the product temperature (ambient temperature + self-heating) below 150°C.

The rated current value is the smaller of the rated current (based on Inductance change) or the rated current (based on Temperature rise). It can be considered for use with DCDC converters with a maximum voltage of 40 V or less.

## References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.0913g

### Attention

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.
- 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.

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## Specifications

L size	3.2±0.3mm
W size	2.5±0.3mm
T size	2.0mm
Size code inch (mm)	1210 (3225)
Inductance	0.47μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	8700mA
Rated current (Itemp) (Based on Temperature rise)	5900mA
Max. of DC resistance	0.014Ω
Operating Temperature Range (Self-temperature rise is included)	-55°C to 150°C
Class of magnetic shield	Metal Alloy
Brand	Murata
Series	DFE32CAH_R0

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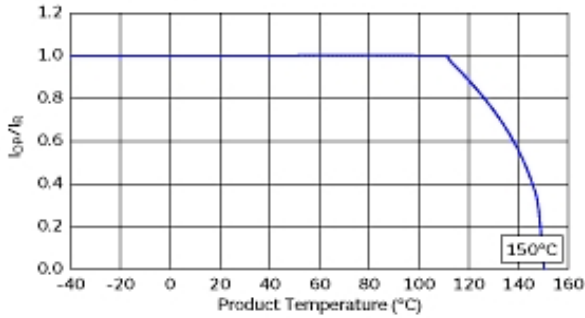
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## Notice For General

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

Derating of Rated Current



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