

MBH7045C-3R3NA#

indicates a package specification code.



< List of part numbers with package codes >
MBH7045C-3R3NA=P3

Shape

| | |
|------------------------|-------------|
| L size | 7.2 mm |
| W size | 7.2 mm |
| T size | 4.8 mm |
| Size code in inch (mm) | 2828 (7272) |

Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 10%. (The ambient reference temperature is 25°C)
Rated current (Itemp) is specified when temperature of inductor the is raised 40°C by DC current. (The ambient reference temperature is 25°C)

References

| Packaging code | Specifications | Minimum quantity |
|----------------|------------------------|------------------|
| =P3 | φ330mm Embossed taping | 1000 |

| Mass (Typ.) | |
|-------------|--------|
| 1 piece | 0.768g |

Specifications

| | |
|---|--------------|
| Inductance | 3.3μH ±30% |
| Inductance test frequency | 0.1MHz |
| Rated current (Isat) (Based on Inductance change) | 2500mA |
| Rated current (Itemp) (Based on Temperature rise) | 3500mA |
| Max. of DC resistance | 0.0228Ω |
| Avg. of DC resistance | 0.019Ω±20% |
| Operating temperature range (Self-temperature rise is included) | -40~150°C |
| Class of magnetic shield | Ferrite Core |
| Series | MBH7045C |

Attention

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

Derating of Rated Current

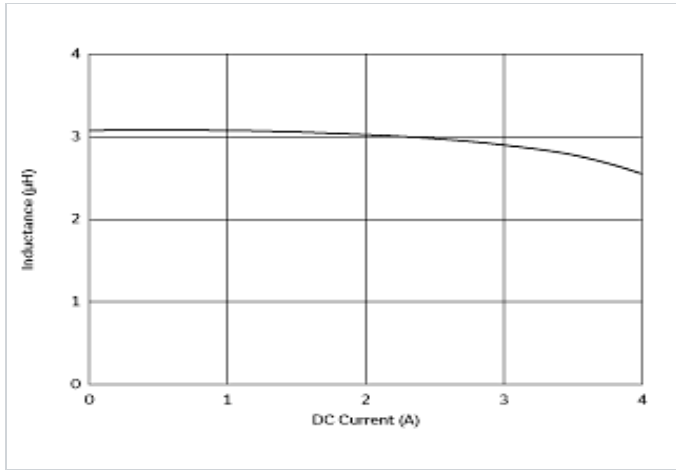


 **Attention**

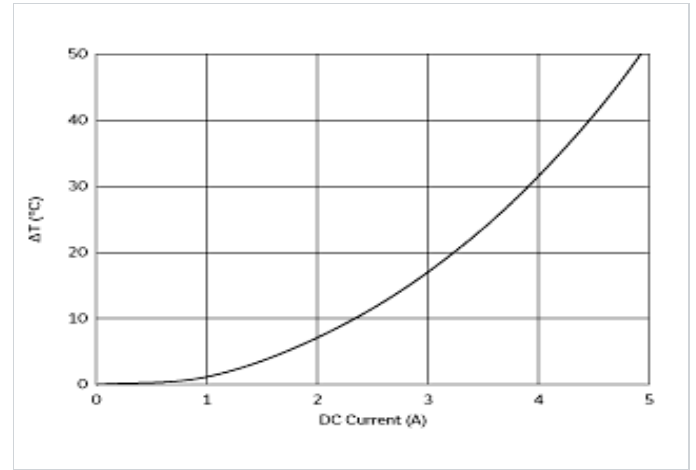
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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