# Inductor Data Sheet

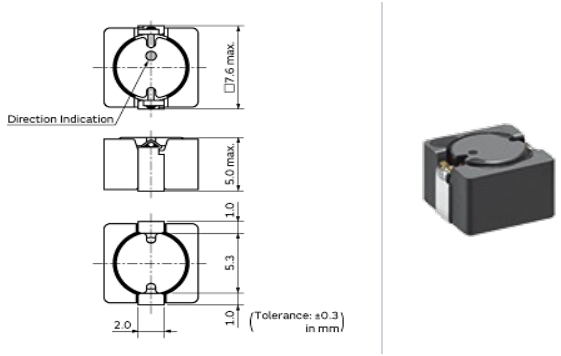
# B1047AS-5R6N#

"#" indicates a package specification code.

In Production | General | 85 °C max. | Wound (Ferrite) | RoHS | REACH

< List of part numbers with package codes >
B1047AS-5R6N=P3

## Shape




| | |
|---|---|
| L size | 7.3 ±0.3mm |
| W size | 7.3 ±0.3mm |
| T size | 5.0 mm |
| Size code in inch (mm) | 2929 (7373) |

## Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20℃.)
Rated current (Itemp) is specified when temperature of inductor the is raised 40℃ by DC current. (The ambient reference temperature is 20℃.)

## References

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

| Mass (Typ.) | |
|---|---|
| 1 piece | 0.975g |

## Specifications

| | |
|---|---|
| Inductance | 5.6μH ±30% |
| Inductance test frequency | 0.1MHz |
| Rated current (Isat) (Based on Inductance change) | 4000mA |
| Rated current (Itemp) (Based on Temperature rise) | 3500mA |
| Max. of DC resistance | 0.032Ω |
| Operating temperature range (Self-temperature rise is included) | -40～85℃ |
| Class of magnetic shield | Ferrite Core |
| Series | DS75LC |

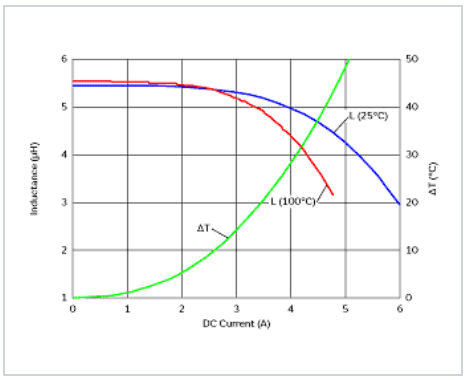


**Attention**

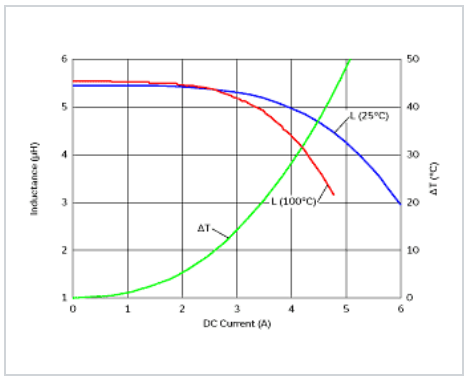
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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

## 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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