

# #B953AS-5R6N=P3

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

< List of part numbers with package codes >  
#B953AS-5R6N=P3

## Shape

|                        |               |
|------------------------|---------------|
| L size                 | 12.5 ±0.3mm   |
| W size                 | 12.5 ±0.3mm   |
| T size                 | 6.8 mm        |
| Size code in inch (mm) | 4949 (125125) |

## Notes

Rated current (I<sub>sat</sub>) is specified when the decrease of the initial inductance value at 10%.  
Rated current (I<sub>temp</sub>) 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     | 3.688g |

## Specifications

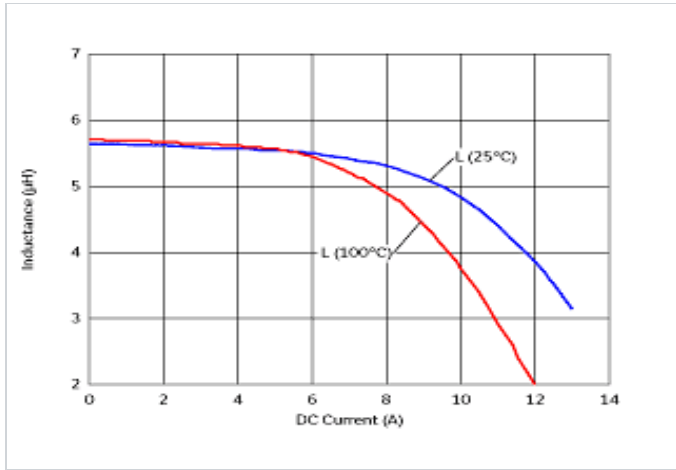
|   |               |
|---|---------------|
| Inductance  | 5.6μH ±30%    |
| Inductance test frequency                                       | 0.1MHz        |
| Rated current (I <sub>sat</sub> ) (Based on Inductance change)  | 6800mA        |
| Rated current (I <sub>temp</sub> ) (Based on Temperature rise)  | 5600mA        |
| Max. of DC resistance   | 0.016Ω        |
| Operating temperature range (Self-temperature rise is included) | -40°C to 85°C |
| Class of magnetic shield  | Ferrite Core  |
| Series  | DS126C2       |

### Attention

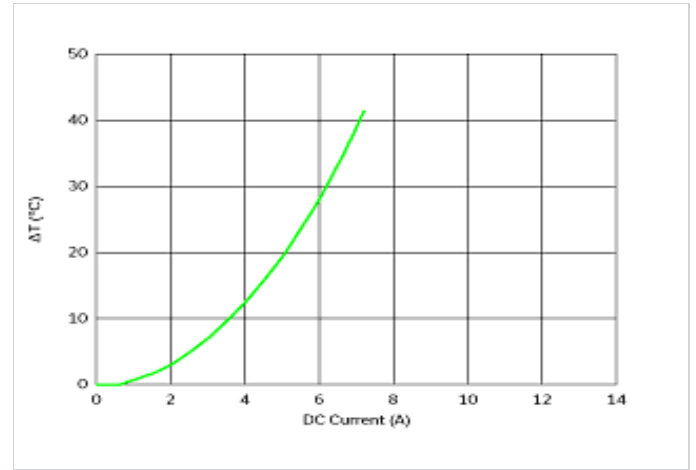
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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