

# #B953AS-681M=P3

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

< List of part numbers with package codes >  
#B953AS-681M=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

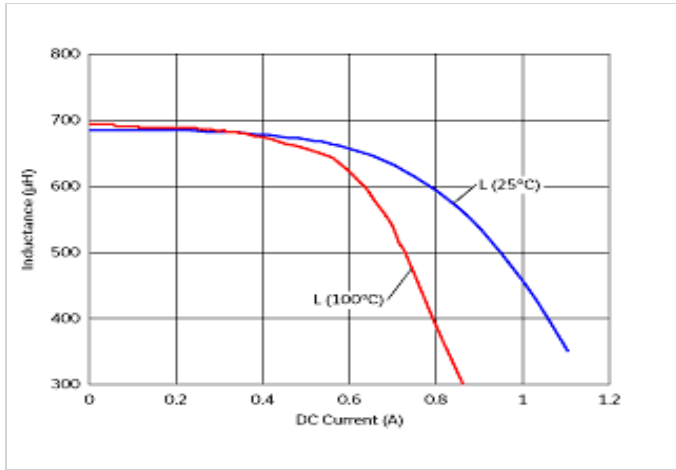
Inductance	680μH ±20%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	550mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	580mA
Max. of DC resistance	1.120Ω
Operating temperature range (Self-temperature rise is included)	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	DS126C2

### Attention

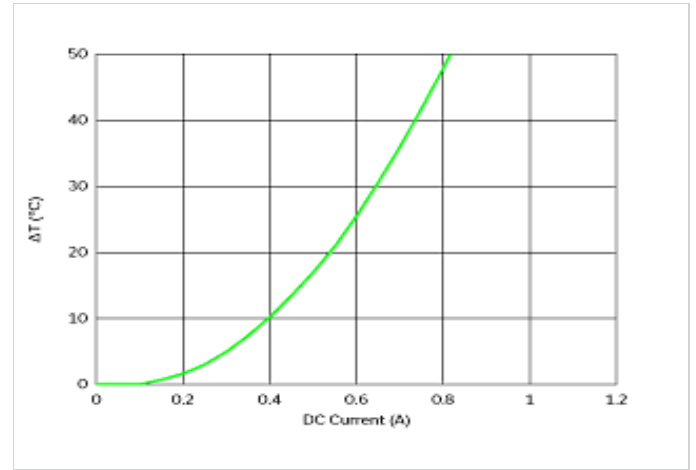
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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