

# DD1274AS-H-4R7N#

# indicates a package specification code.

In Production
General
105 °C max. (Ferrite)
Wound (Ferrite)
Reflow OK
RoHS
REACH

< List of part numbers with package codes >  
DD1274AS-H-4R7N=P3

## Shape

L size	10.0 ±0.3mm
W size	10.0 ±0.3mm
T size	5.0 mm
Size code in inch (mm)	3939 (100100)

## Notes

Rated current (I<sub>sat</sub>) is specified when the decrease of the initial inductance value at 30%.  
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	1.9994g

## Specifications

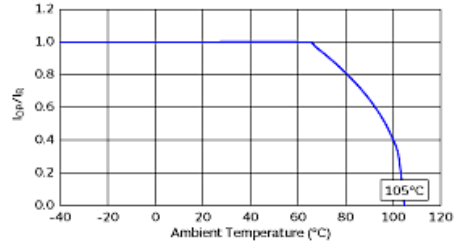
Inductance	4.7μH ±30%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	9500mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	6700mA
Max. of DC resistance	0.0135Ω
Avg. of DC resistance	0.0112Ω ±20%
Operating temperature range (Self-temperature rise is included)	-40°C to 105°C
Class of magnetic shield	Ferrite Core
Series	DEM10050C_DD

### Attention

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

Derating of Rated Current

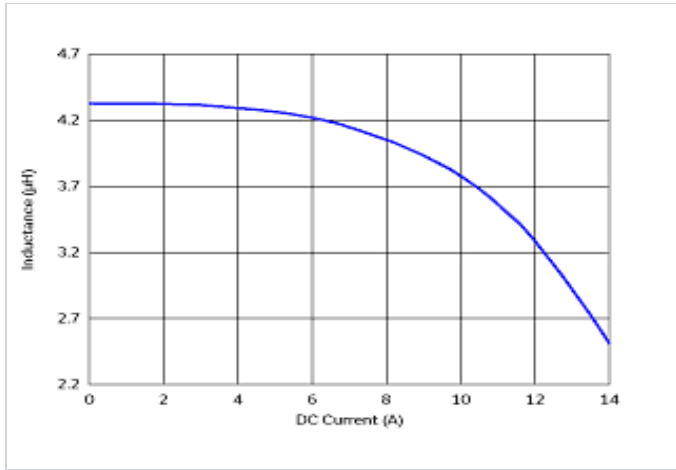


 **Attention**

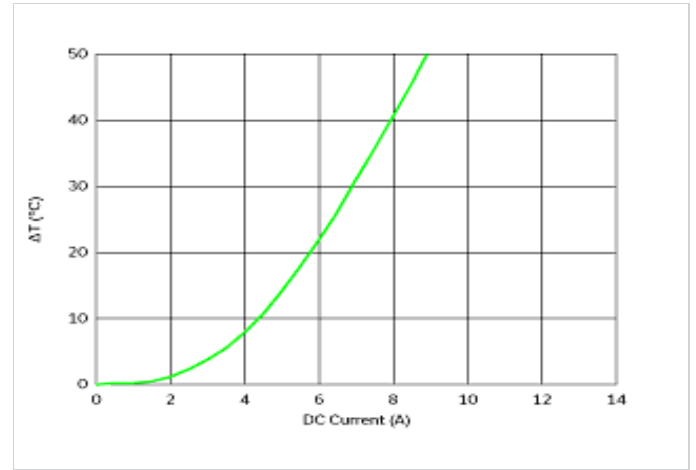
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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