

# FDSD0512-H-1R0M#

"#" indicates a package specification code.



< List of part numbers with package codes >  
FDSD0512-H-1R0M=P3

## Shape

L size	5.2 ±0.3mm
W size	4.9 ±0.3mm
T size	1.2 mm
Size code in inch (mm)	2019 (5249)

## Notes

Rated current (I<sub>sat</sub>) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20°C.)  
Rated current (I<sub>temp</sub>) is specified when temperature of inductor the is raised 40°C by DC current. (The ambient reference temperature is 20°C.)

## References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	4000

Mass (Typ.)	
1 piece	0.155g

## Specifications

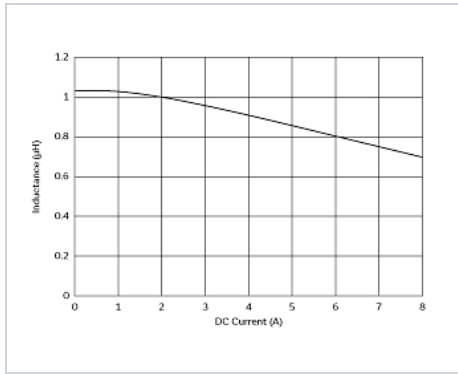
Inductance	1.0μH ±20%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	6100mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	4000mA
Max. of DC resistance	0.044Ω
Operating temperature range (Self-temperature rise is included)	-20~100°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30V DC
Series	FDSD0512

### Attention

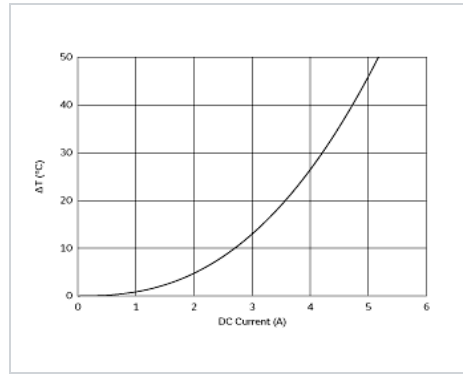
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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