

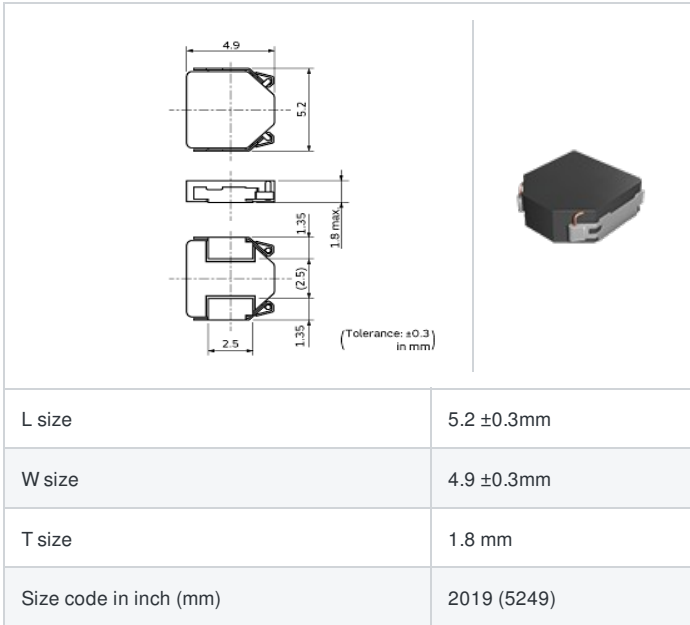
# FDSD0518-H-1R0M#

# indicates a package specification code.



< List of part numbers with package codes >  
FDSD0518-H-1R0M=P3

## Shape



## 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	2000

Mass (Typ.)	
1 piece	0.2437g

## Specifications

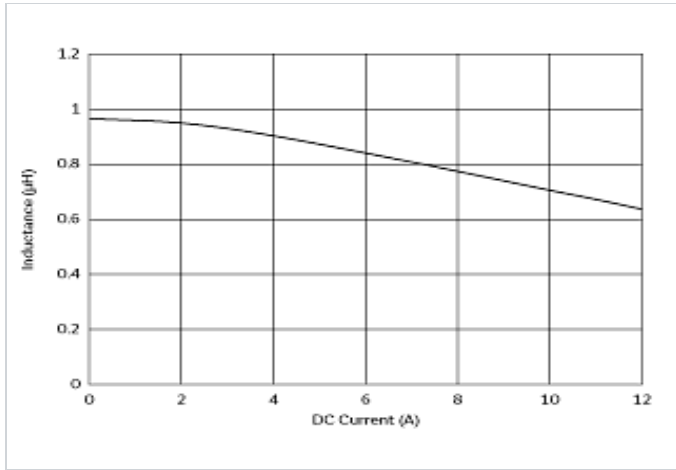
Inductance	1.0μH ±20%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	8700mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	6100mA
Max. of DC resistance	0.021Ω
Operating temperature range (Self-temperature rise is included)	-20~100°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30V DC
Series	FDSD0518

### Attention

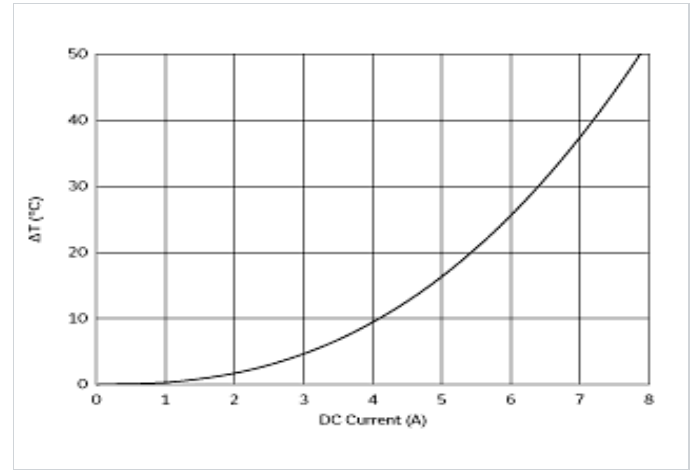
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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