Inductor Data Sheet

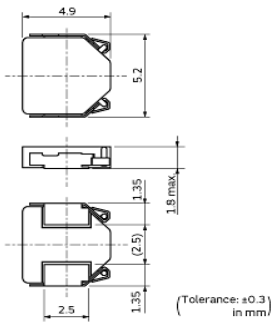
FDSD0518-H-1R0M#

"#" indicates a package specification code.

In Production | General | 100 °C max. | Wound (Metal) | Reflow OK | RoHS | REACH

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

Shape



L size	5.2 ±0.3mm
W size	4.9 ±0.3mm
T size	1.8 mm
Size code in inch (mm)	2019 (5249)

Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20℃.)
Rated current (Itemp) is specified when temperature of inductor the is raised 40℃ by DC current. (The ambient reference temperature is 20℃.)

References

Packaging code	Specifications	Minimum quantity
=P3	ϕ330mm Embossed taping	2000

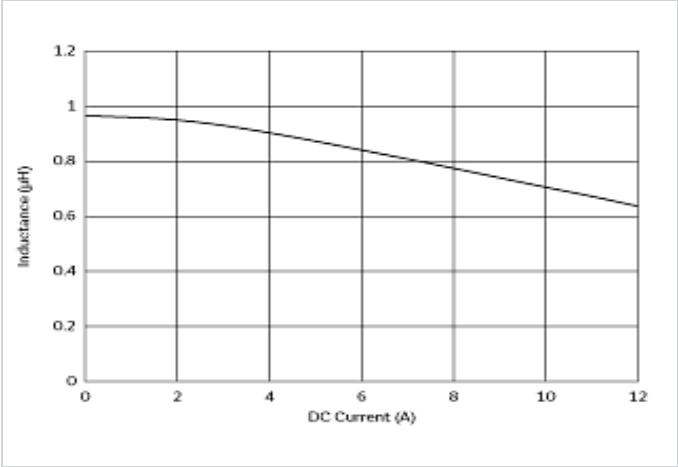
Mass (Typ.)	
1 piece	0.2437g

Specifications

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

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

- Inductance-Current characteristics (Typ.)



- Temperature rise characteristics (Typ.)