

# muRata Inductor Data Sheet

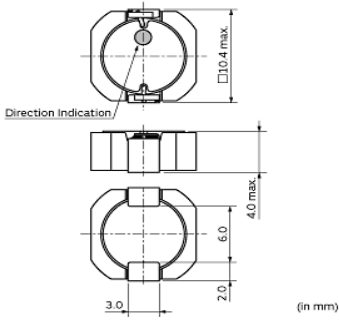
## B1179BS-470M#

"#" indicates a package specification code.

In Production
General
85°C
Wound (Ferrite)
RoHS
REACH

< List of part numbers with package codes >  
 B1179BS-470M=P3

### Shape

	
L size	10.1 ±0.3mm
W size	10.1 ±0.3mm
T size	4.0 mm
Size code in inch (mm)	4040 (101101)

### Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 35%. (The ambient reference temperature is 20°C)  
 Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current. (The ambient reference temperature is 20°C)

### References

Packaging code	Specifications	Minimum quantity
=P3	φ 330mm Embossed taping	500

Mass (Typ.)	
1 piece	1.417g

### Specifications

Inductance	47μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	1900mA
Rated current (Itemp) (Based on Temperature rise)	1600mA
Max. of DC resistance	0.14Ω
Operating temperature range (Self-temperature rise is included)	-40~85°C
Class of magnetic shield	Magnetic shield of ferrite

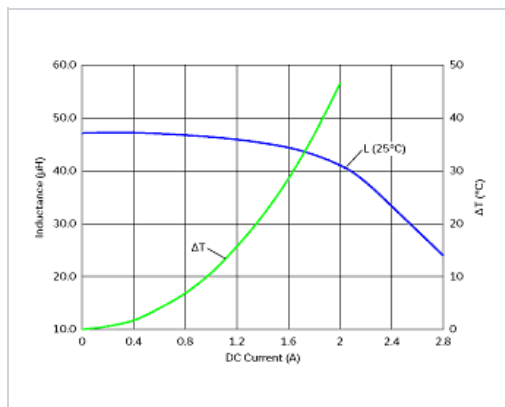
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### Attention

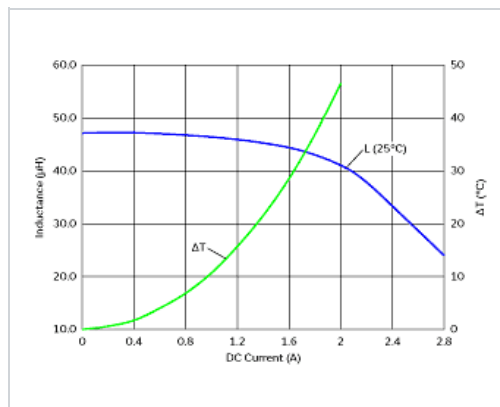
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



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