muRata Inductor Data Sheet

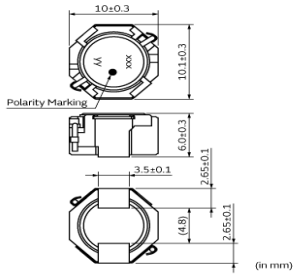
MDH10060C-100MA#

"#" indicates a package specification code.

In Production | Power-train | AEC-Q200 | 150 °C max. | Wound (Ferrite) | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
MDH10060C-100MA=P3

Shape



L size	10.1 ±0.3mm
W size	10.0 ±0.3mm
T size	6.0 ±0.3mm
Size code in inch (mm)	4039 (101100)

Notes

The saturation allowable DC current value is specified when the decrease of the nominal Inductance value at 30%.(The ambient reference temperature is 20°C)
Rated Current (Based on Temperature rise) is specified when temperature of the inductor on our PCB for test purpose is raised 40°C by DC current.(The ambient reference temperature is 20°C)

References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	500

Mass (Typ.)	
1 piece	1.75g

Specifications

Inductance	10μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	4100mA
Rated current (Itemp) (Based on Temperature rise)	3800mA
Max. of DC resistance	0.0221Ω
Avg. of DC resistance	0.017Ω±30%
Operating temperature range (Self-temperature rise is included)	-55～150°C
Class of magnetic shield	Ferrite Core
Series	MDH10060C

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