

# muRata Inductor Data Sheet

## LQH31MN100K03#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH31MN100K03L , LQH31MN100K03K

### Shape

L size	3.2 ±0.3mm
W size	1.6 ±0.2mm
T size	1.8 ±0.2mm
Size code in inch (mm)	1206 (3216)

### Notes

When applied Rated current to the Products, self temperature rise shall be limited to 20°C max and Inductance will be within ±10% of initial Inductance value.

### References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	2000
K	φ 330mm Embossed taping	7500

Mass (Typ.)	
1 piece	0.029g

### Specifications

Inductance	10μH ±10%
Inductance test frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	100mA
Max. of DC resistance	3.25Ω
Avg. of DC resistance	2.5Ω±30%
Q (min.)	35
Q test frequency	5MHz
Self resonance frequency (min.)	20MHz
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	No magnetic shield

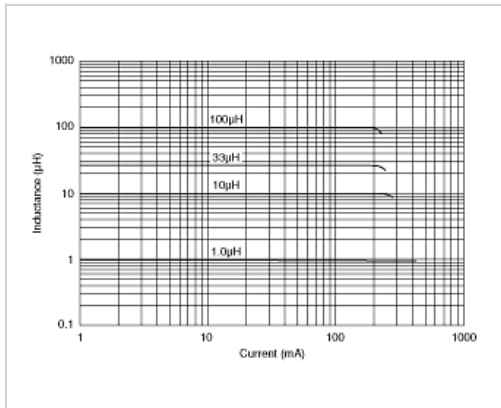
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### ⚠ Attention

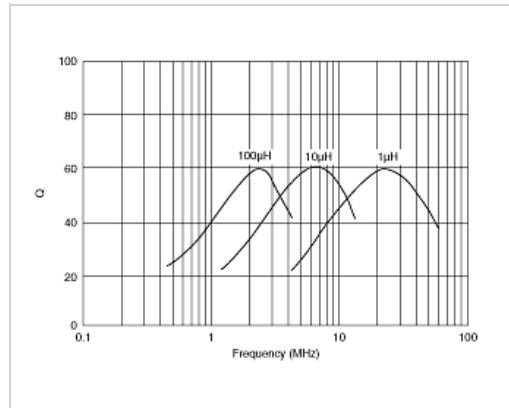
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



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