

muRata Inductor Data Sheet

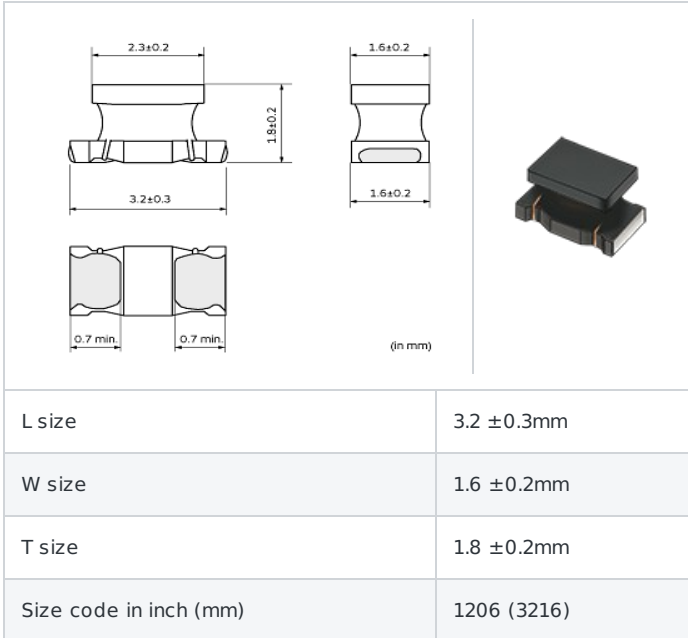
LQH31MN3R3K03#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH31MN3R3K03L , LQH31MN3R3K03K

Shape



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	3.3μH ±10%
Inductance test frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	130mA
Max. of DC resistance	0.793Ω
Avg. of DC resistance	0.61Ω±30%
Q (min.)	35
Q test frequency	8MHz
Self resonance frequency (min.)	38MHz
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	No magnetic shield

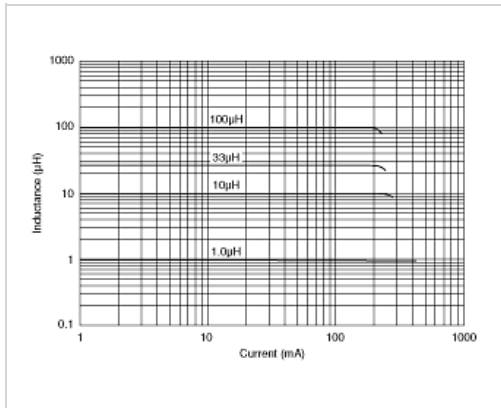
1 of 2

Attention

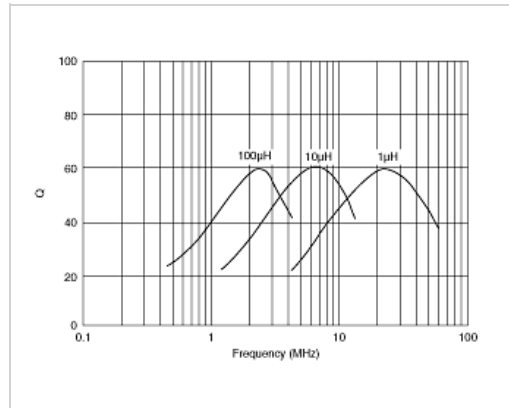
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ Inductance-Current characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



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