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LQH3NPZ101MME#

"#" indicates a package specification code.

Size Code 3030 (1212) in mm (in inch), 1.5mm max.Thickness. high performance type.

In Production | AEC-Q200 | RoHS | REACH | 125 °C max. | Wound (Ferrite) | Low Rdc | Bias | Reflow OK

< List of part numbers with package codes >

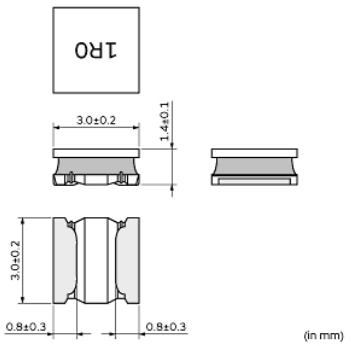
LQH3NPZ101MMEL

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Automotive infotainment/comfort equipment,Medical equipment [GHTF A/B/C] except for implant & operation & auto-dispenser equipment,Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Automotive infotainment/comfort equipment

Appearance & Shape





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Notices

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 40°C max (ambient temperature 85°C max). When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 20°C max (ambient temperature 85°C to 105°C).

References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.051g

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Specifications

L size	3.0±0.2mm
W size	3.0±0.2mm
T size	1.4±0.1mm
Size code inch (mm)	1212 (3030)
Inductance	100μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	260mA
Rated current (Itemp) (Based on Temperature rise)	430mA(Ambient temp.85℃) 270mA(Ambient temp.105℃)
Max. of DC resistance	1.908Ω
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	3MHz
Operating Temperature Range(Self-temperature rise is not included)	-40℃ to 105℃
Brand	Murata
DC Resistance Intermediate Values	1.59Ω±20%
Series	LQH3NPZ_ME

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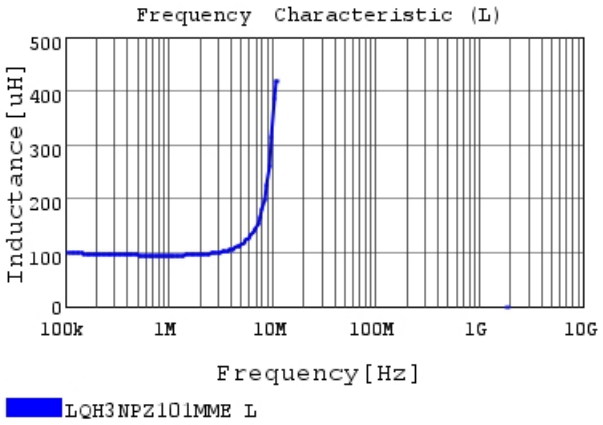
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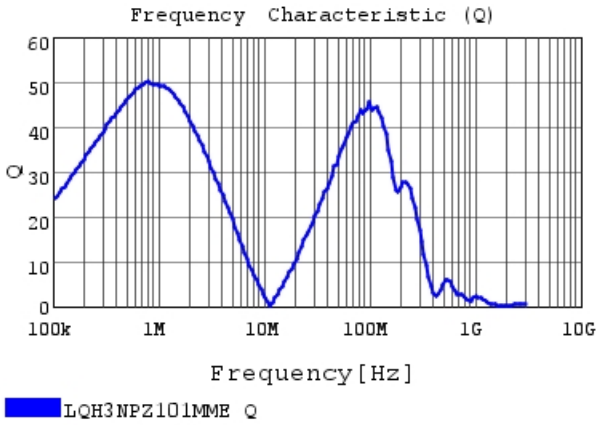
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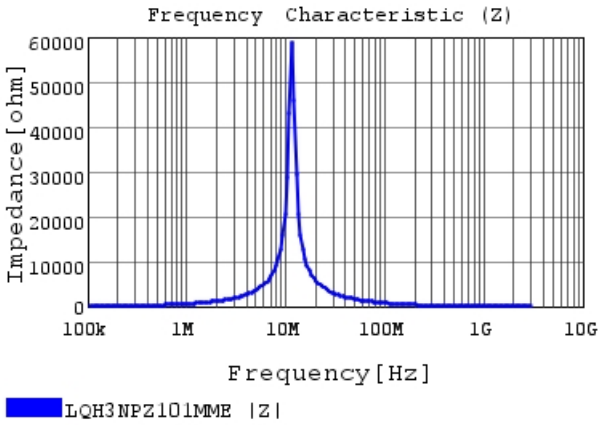
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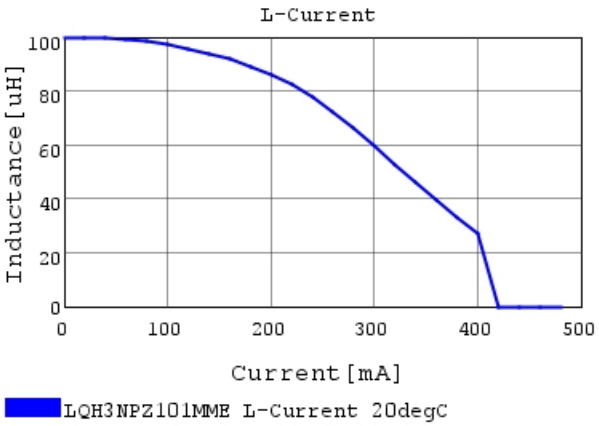
Characteristic Data

The charts below may show another part number which shares its characteristics.









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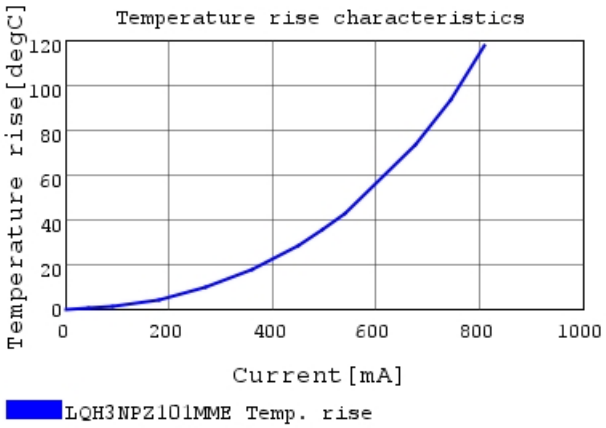
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