

LQH3NPN100NM0#

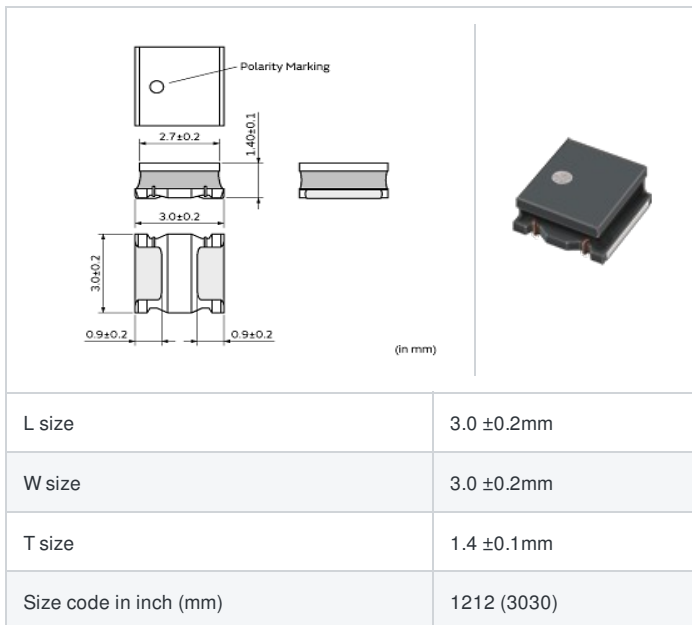
indicates a package specification code.



Last Time Buy Date: 31 Mar 2018 Date of discontinuation: 30 Sep 2018

< List of part numbers with package codes >
LQH3NPN100NM0L , LQH3NPN100NM0K

Shape



Notes

When applied Rated current to the Products, Inductance will be within $\pm 30\%$ of nominal Inductance value.
When applied Rated current to the Products, temperature rise caused by self-generated heat shall be limited to 40°C max.
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	1000
K	φ330mm Embossed taping	4000

Mass (Typ.)	
1 piece	0.051g

Specifications

Inductance	10μH $\pm 30\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	550mA
Rated current (Itemp) (Based on Temperature rise)	870mA
Max. of DC resistance	0.312Ω
Avg. of DC resistance	0.26Ω $\pm 20\%$
Self resonance frequency (min.)	45MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_M0

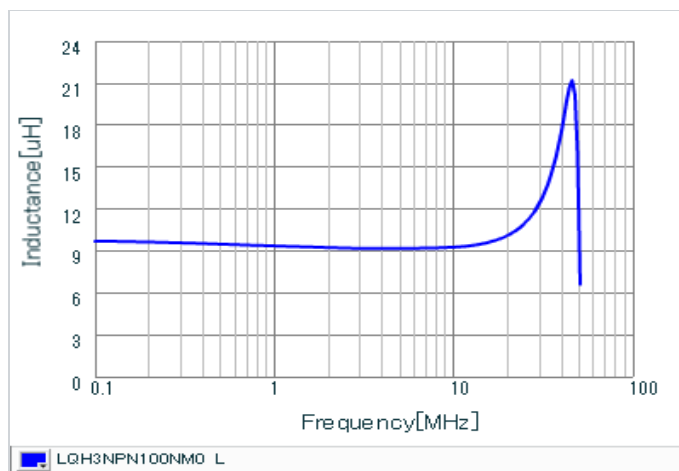
1 of 2

Attention

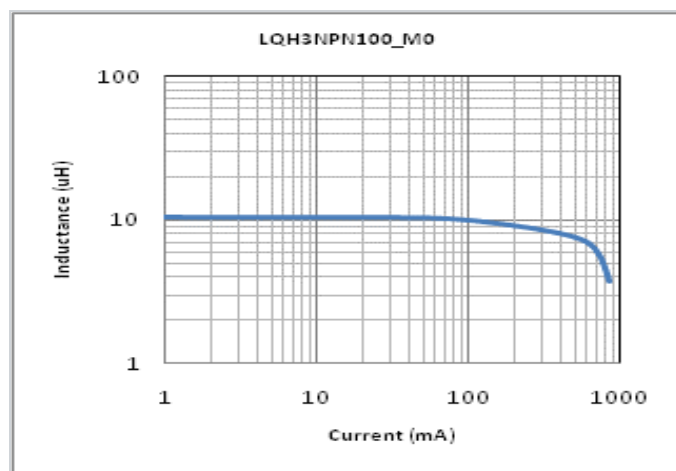
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

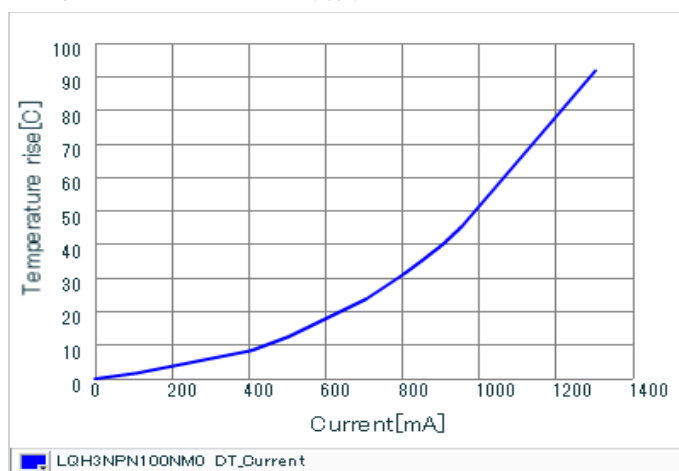
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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