

LQH3NPNR68NJR#

“ # ” indicates a package specification code.

New

Available

General

105℃

Wound (Shield)

LowRdc


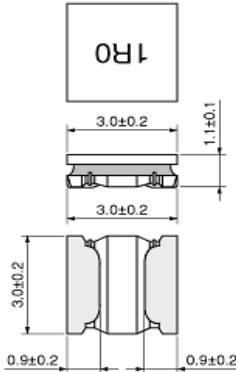
Thickness 1.2mm max.

Reflow OK

RoHS

< List of part numbers with package codes >
LQH3NPNR68NJRL

Shape



L size	3.0 ± 0.02mm
W size	3.0 ± 0.02mm
T size	1.1 ± 0.1mm
Size code in inch (mm)	1212 (3030)

Notes

When applied Rated current 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℃.
When applied Rated current to the Products, temperature rise caused by self-generated heat shall be limited to 40℃ max.(Ambient temperature 85℃).
When applied Rated current to the Products, temperature rise caused by self-generated heat shall be limited to 20℃ max.(Ambient temperature 85℃ to 105℃).

References

Packaging code	Specifications	Minimum quantity
L	180mm Embossed taping	2000

Mass (Typ.)	
1 piece	0.045g

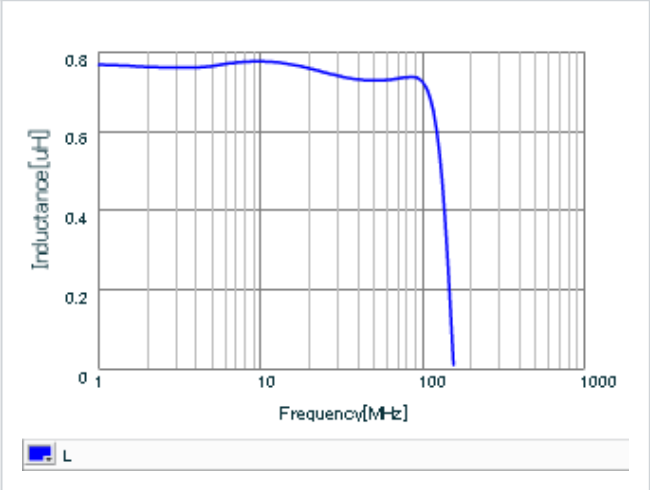
Specifications

Inductance	0.68μH ± 30%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2700mA
Rated current (Itemp) (Based on Temperature rise)	2860mA(Ambient temperature 85℃) 1280mA(Ambient temperature 105℃)
Max. of DC resistance	0.0384
Avg. of DC resistance	0.032 ± 20%
Self resonance frequency (min.)	130MHz
Operating temperature range (Self-temperature rise is included)	-40 ~ 125
Operating temperature range (Self-temperature rise is not included)	-40 ~ 105
Class of magnetic shield	Magnetic shield of magnetic powder in resin

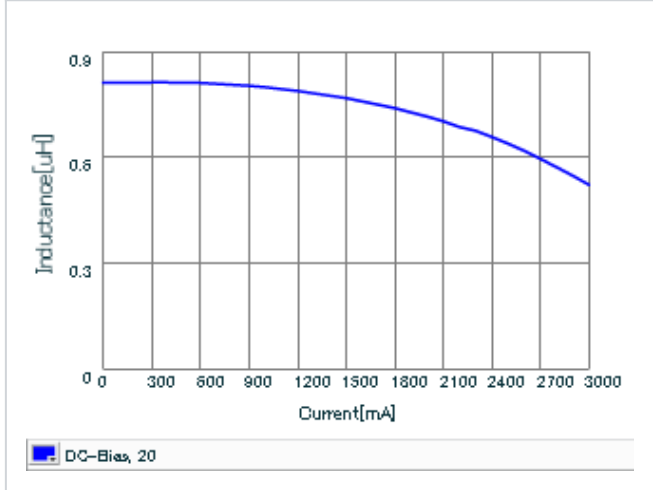
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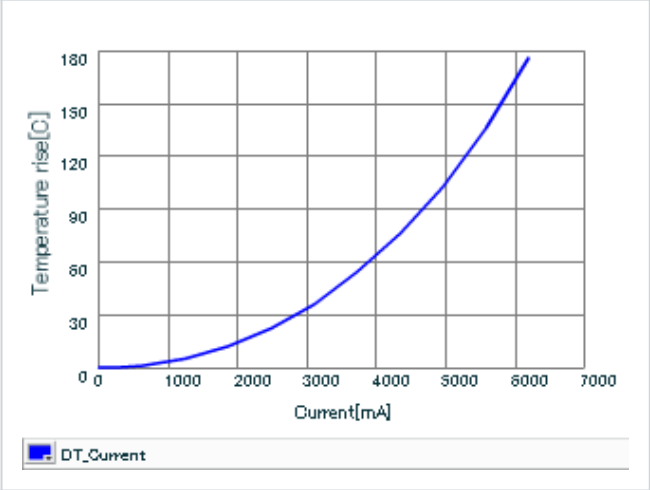
Inductance-Frequency characteristics (Typ.)



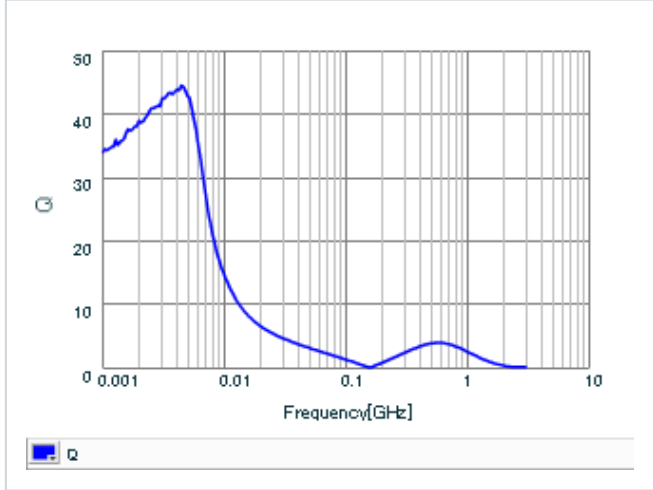
Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



Q-Frequency characteristics (Typ.)



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