

LQH32PH100MNC#

" # " indicates a package specification code.

New

Available

Power-train

AEC-Q200

105℃

Wound (Shield)

Bias

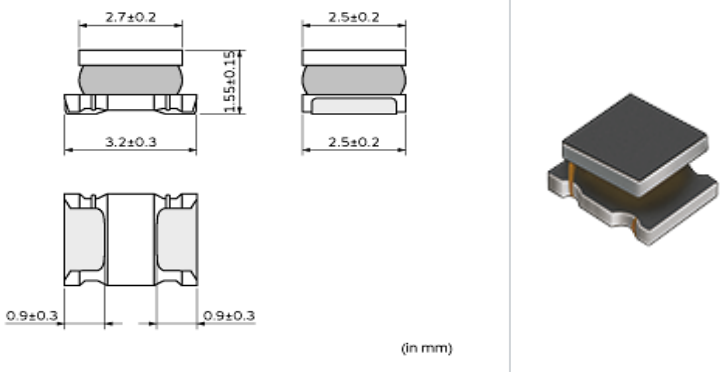
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RoHS

REACH

< List of part numbers with package codes >
LQH32PH100MNCL , LQH32PH100MNCK

Shape



L size	3.2 ± 0.3mm
W size	2.5 ± 0.2mm
T size	1.55 ± 0.15mm
Size code in inch (mm)	1210 (3225)

Notes

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

References

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

Mass (Typ.)	
1 piece	0.044g

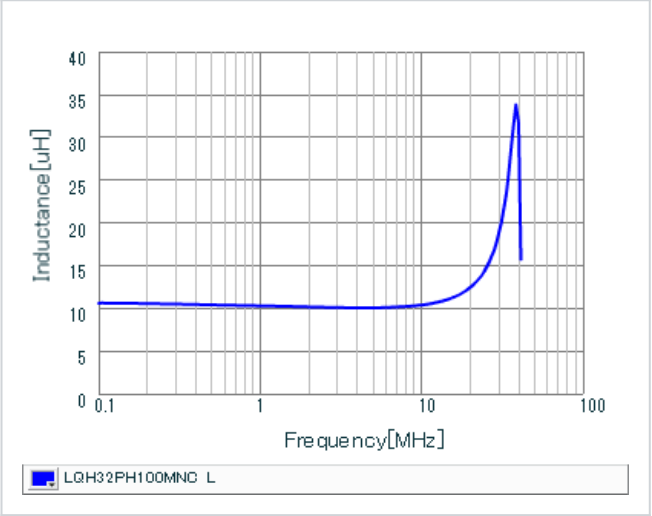
Specifications

Inductance	10μH ± 20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1000mA
Rated current (Itemp) (Based on Temperature rise)	900mA(Ambient temperature 85℃) 450mA(Ambient temperature 105℃)
Max. of DC resistance	0.354
Avg. of DC resistance	0.295 ± 20%
Self resonance frequency (min.)	30MHz
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

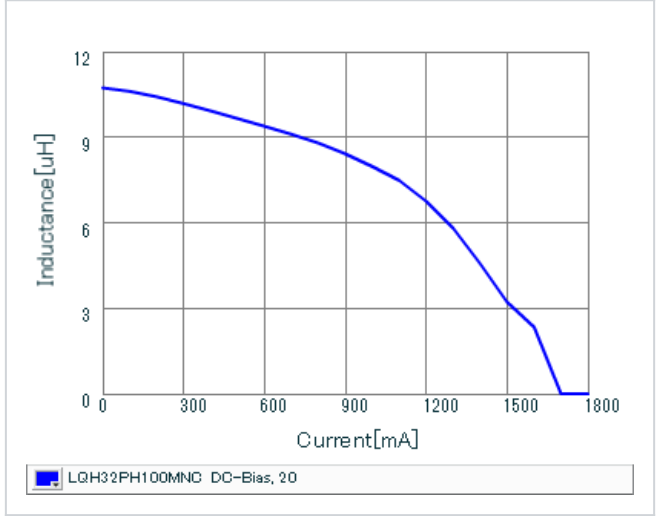
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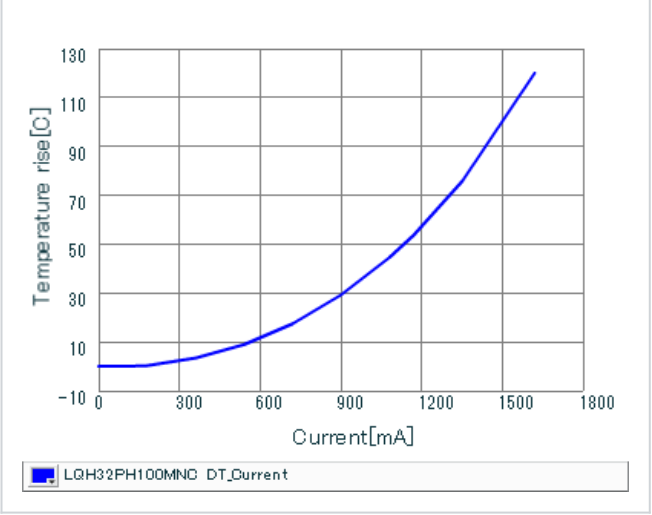
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



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