

LQH32PH100MN0#

#" indicates a package specification code.

In Production

Power-train

AEC-Q200

125 °C max.

Wound (Ferrite)

Reflow OK

RoHS

REACH

< List of part numbers with package codes >

LQH32PH100MN0L, LQH32PH100MN0K

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 rated current is applied to the products, inductance will be within ±30% of nominal inductance value.

When rated current is applied to the products, the 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	ø180mm Embossed taping	2000
K	ø330mm Embossed taping	7500

Mass (Typ.)
1 piece 0.044g

Specifications

Inductance	10µH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	750mA
Rated current (Itemp) (Based on Temperature rise)	700mA(Ambient temp.85°C) 380mA(Ambient temp.105°C)
Max. of DC resistance	0.456Ω
Avg. of DC resistance	0.38Ω±20%
Self resonance frequency (min.)	30MHz
Operating temperature range (Self-temperature rise is included)	-40 to 125°C
Operating temperature range (Self-temperature rise is not included)	-40 to 105°C
Class of magnetic shield	Magnetic Resin
Series	LQH32PH_N0

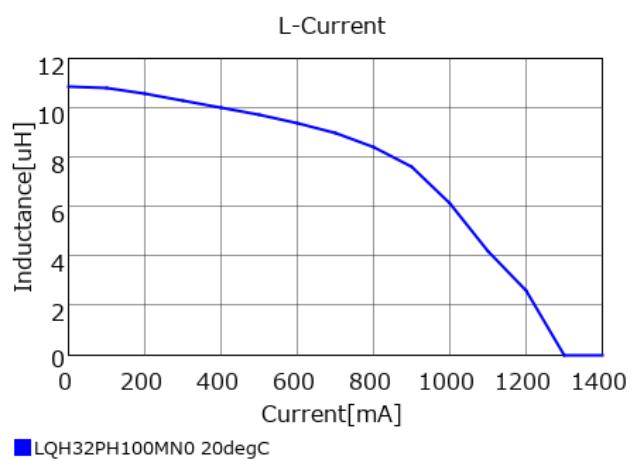
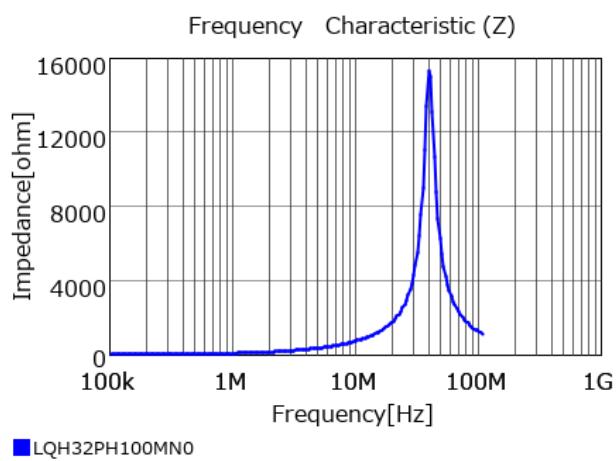
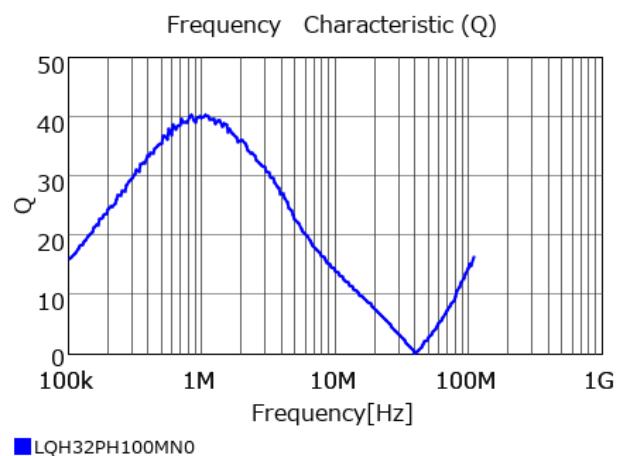
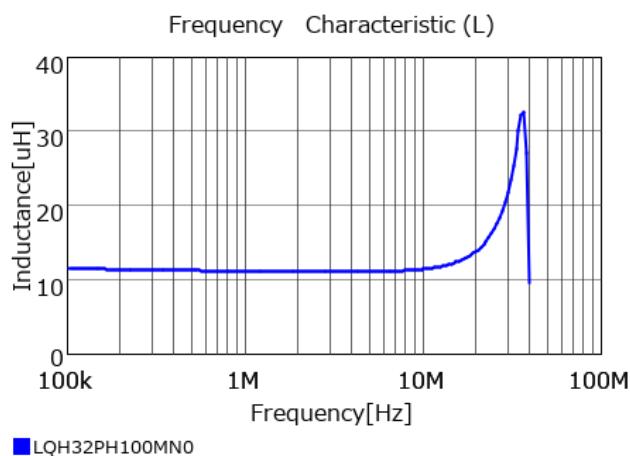
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