Inductor Data Sheet

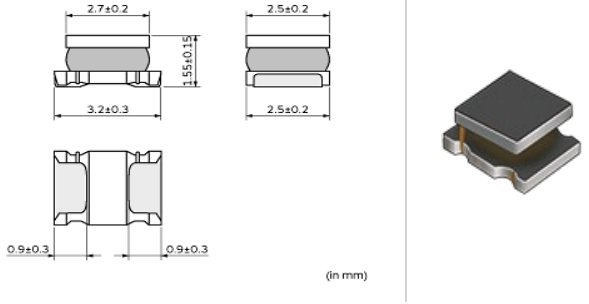
LQH32PB150MNC#

"#" indicates a package specification code.

In Production | General | 125 °C max. | Wound (Ferrite) | Bias | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
LQH32PB150MNCL , LQH32PB150MNCK , LQH32PB150MNCB

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	φ180mm Embossed taping	2000
K	φ330mm Embossed taping	7500
B	Packing in bulk	500

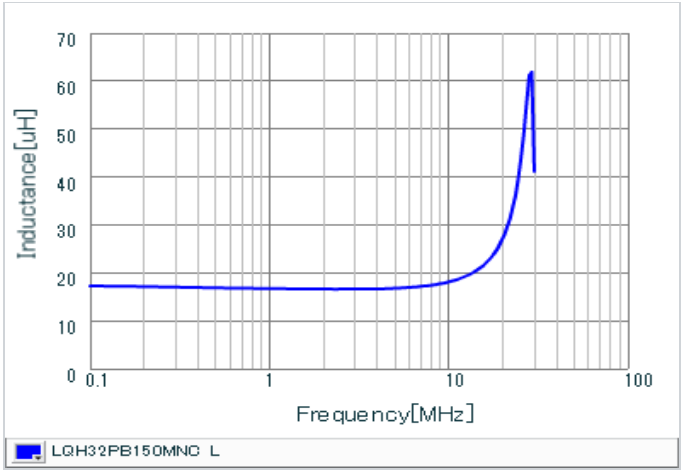
Mass (Typ.)	
1 piece	0.044g

Specifications

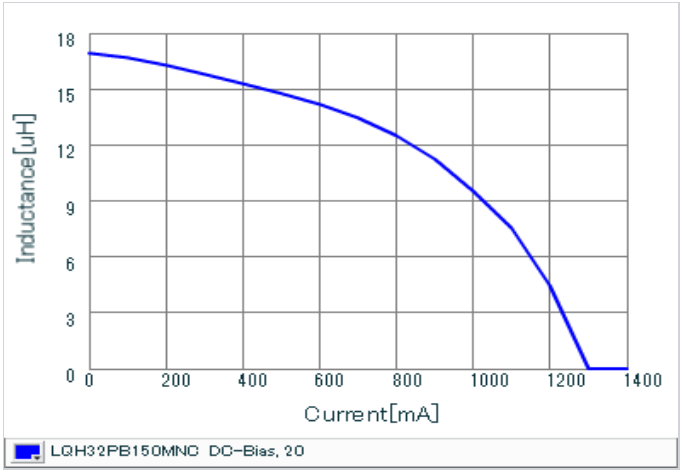
Inductance	15µH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	800mA
Rated current (Itemp) (Based on Temperature rise)	700mA(Ambient temp.85℃) 330mA(Ambient temp.105℃)
Max. of DC resistance	0.57Ω
Avg. of DC resistance	0.475Ω±20%
Self resonance frequency (min.)	20MHz
Operating temperature range (Self-temperature rise is included)	-40℃ to 125℃
Operating temperature range (Self-temperature rise is not included)	-40℃ to 105℃
Class of magnetic shield	Magnetic Resin
Series	LQH32PB_NC

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.)