Inductor Data Sheet

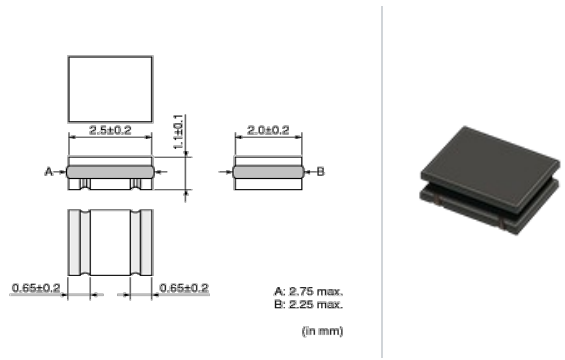
LQH2HPZ1R5NJR#

"#" indicates a package specification code.

In Production | Info-tainment | AEC-Q200 | 125 °C max. | Wound (Ferrite) | Low Rdc | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
LQH2HPZ1R5NJRL

Shape



L size	2.5 ±0.2mm
W size	2.0 ±0.2mm
T size	1.1 ±0.1mm
Size code in inch (mm)	1008 (2520)

Notes

When rated current is applied 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°C.
When rated current is applied to the products, the self-temperature rise shall be limited to 40°C max. (ambient temperature 85°C).
When rated current is applied to the products, the self-temperature rise shall be limited to 20°C max. (ambient temperature 85 °C to 105°C).

References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	2000

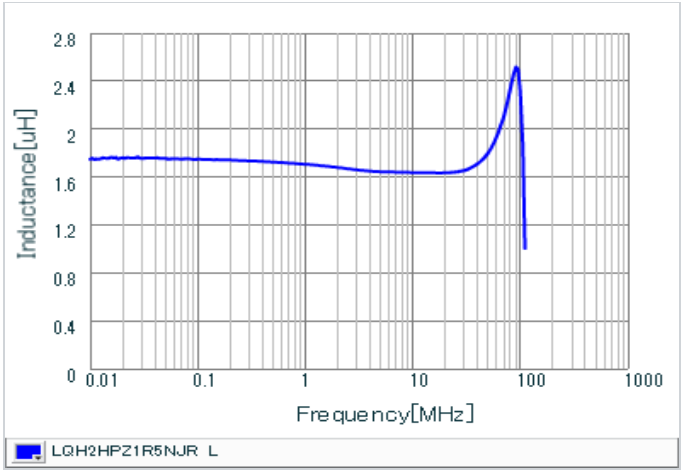
Mass (Typ.)	
1 piece	0.023g

Specifications

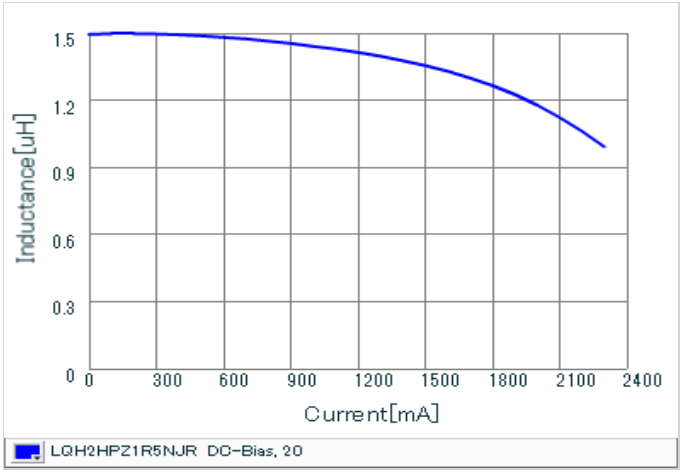
Inductance	1.5µH ±30%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2200mA
Rated current (Itemp) (Based on Temperature rise)	1810mA(Ambient temp.85°C) 1080mA(Ambient temp.105°C)
Max. of DC resistance	0.09Ω
Avg. of DC resistance	0.075Ω±20%
Self resonance frequency (min.)	95MHz
Operating temperature range (Self-temperature rise is included)	-40°C to 125°C
Operating temperature range (Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Magnetic Resin
Series	LQH2HPZ_JR

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.)