Inductor Data Sheet

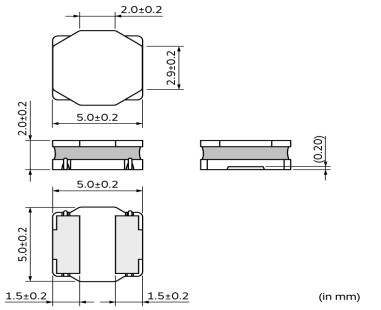
LQH5BPH1R0NT0#

"#" 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 >
LQH5BPH1R0NT0L , LQH5BPH1R0NT0K

Shape





L size	5.0 ±0.2mm
W size	5.0 ±0.2mm
T size	2.0 ±0.2mm
Size code in inch (mm)	2020 (5050)

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. with outside temp under 85 °C, 20 °C max. with outside temp. between 85 °C to 105 °C

References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	500
K	φ330mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.22g

Specifications

Inductance	1μH ±30%
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	5.8A
Rated current (Itemp) (Based on Temperature rise)	3.1A(Ambient temp.85°C) 1.68A(Ambient temp.105°C)
Max. of DC resistance	0.0228Ω
Avg. of DC resistance	0.019Ω±20%
Self resonance frequency (min.)	90MHz
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	LQH5BPH_T0

Attention

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2.This datasheet has only typical specifications because there is no space for detailed specifications.
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LQG18HH3N9S00D 84225C GRM21BC81E106ME51L LQH43MN102J03L LQH44PN3R3MPRL LXES02TAA1-145 GRM155R61A223KA01D GRM033R71A472KA01D LBEE5XV1YM-574 LQW2BAN68NG00L BLM18HE152SZ1D GJM1555C1H6R0BB01D LQG15WZ0N7C02D XRCGE26M000FXA2AR0 BLM18HE601SN1D BLM21BD222TN1D GRM31BR73A471KW01L DFE201610P-2R2M=P2 GCM188R71H152KA37D GRM0335C1H7R0BA01D GRM033R71E222KA12D GRM1555C2A330JA01D LQG15WH19NH02D LQH5BPN100MT0L DLM0QSB350HY2D GRM1555C1H4R7CA01D GRM155C81E225KE11D GRT155C81A105KE01D LQG15HS12NJ02D LQG15WZ9N5H02D