

LQH3NPN6R8MMR#

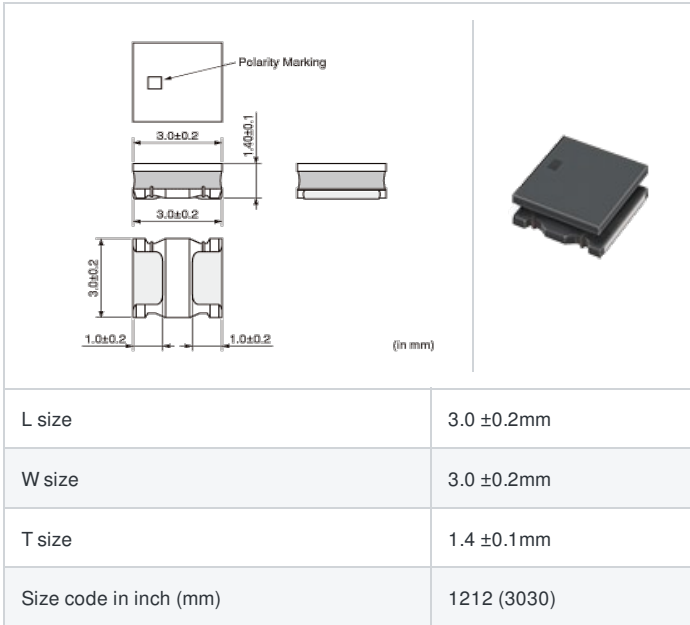
"#" indicates a package specification code.



Last Time Buy Date: 30 Sep 2020

< List of part numbers with package codes >
LQH3NPN6R8MMRF , LQH3NPN6R8MMRE

Shape



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
F	φ330mm Embossed taping	8000
E	φ180mm_Embossed taping	2000

Mass (Typ.)	
1 piece	0.051g

Specifications

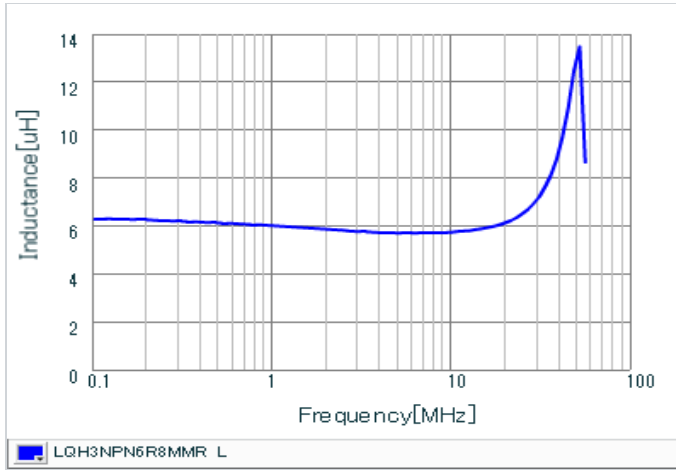
Inductance	6.8μH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	830mA
Rated current (I _{temp}) (Based on Temperature rise)	1250mA
Max. of DC resistance	0.186Ω
Avg. of DC resistance	0.155Ω ±20%
Self resonance frequency (min.)	40MHz
Operating temperature range (Self-temperature rise is included)	-40 to 125°C
Operating temperature range (Self-temperature rise is not included)	-40 to 85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_MR

Attention

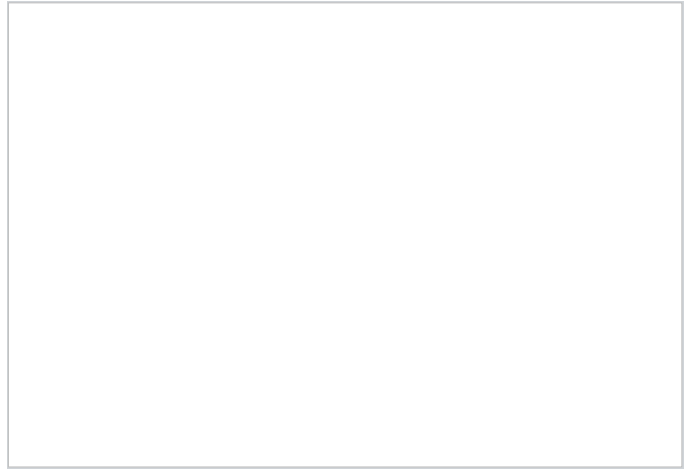
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

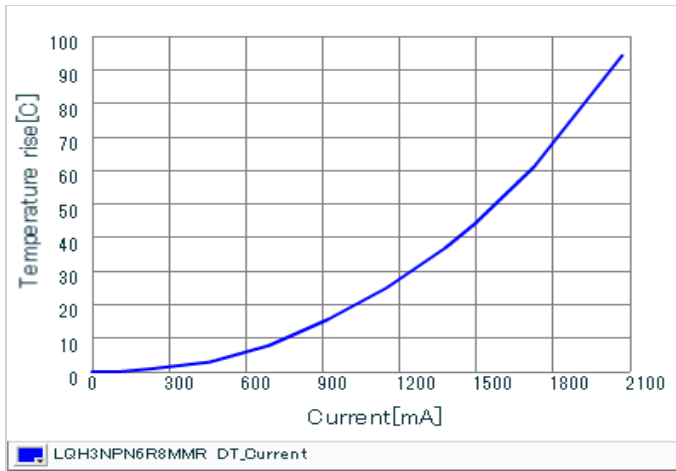
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



⚠ Attention

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