

LQH2HPN2R2MGR#

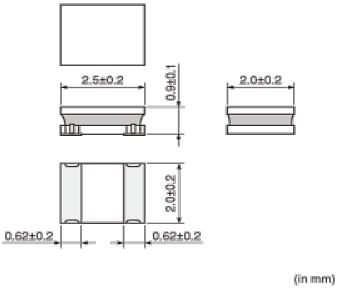
#" indicates a package specification code.



< List of part numbers with package codes >

LQH2HPN2R2MGRL

Shape

 (in mm)	
L size	2.5 ±0.2mm
W size	2.0 ±0.2mm
T size	0.9 ±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 temperature rise caused by self-generated heat shall be limited to 40°C (at the rated current under 85°C) or 20°C (at the rated current under 105°C).

References

Packaging code	Specifications	Minimum quantity
L	ø180mm Embossed taping	3000
Mass (Typ.)		
1 piece		0.019g

Specifications

Inductance	2.2µH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1550mA
Rated current (Itemp) (Based on Temperature rise)	1470mA(Ambient temp.85°C) 850mA(Ambient temp.105°C)
Max. of DC resistance	0.1608Ω
Avg. of DC resistance	0.134Ω ±20%
Self resonance frequency (min.)	80MHz
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	LQH2HPN_GR

1 of 2

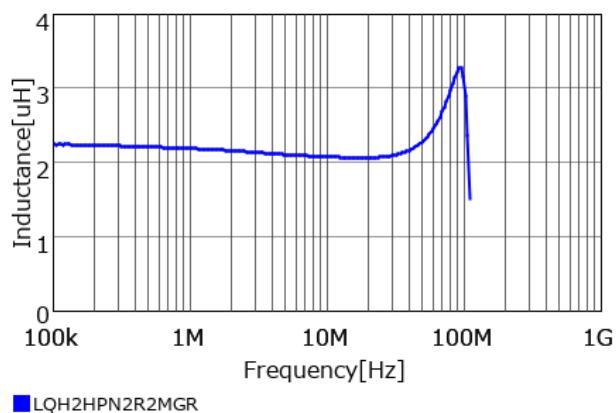
Attention

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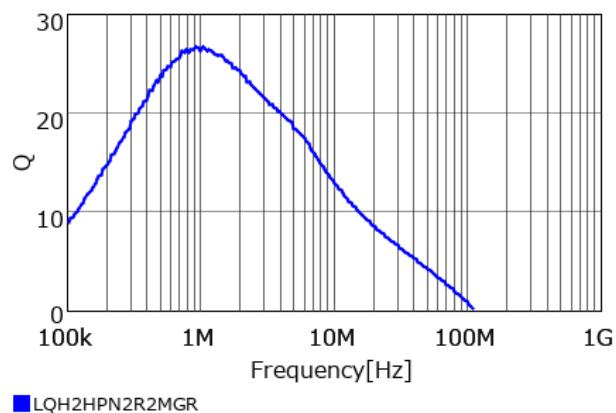
2. This datasheet has only typical specifications because there is no space for detailed specifications.

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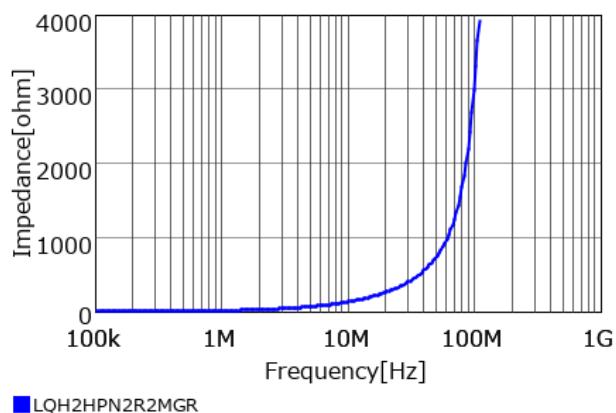
Frequency Characteristic (L)



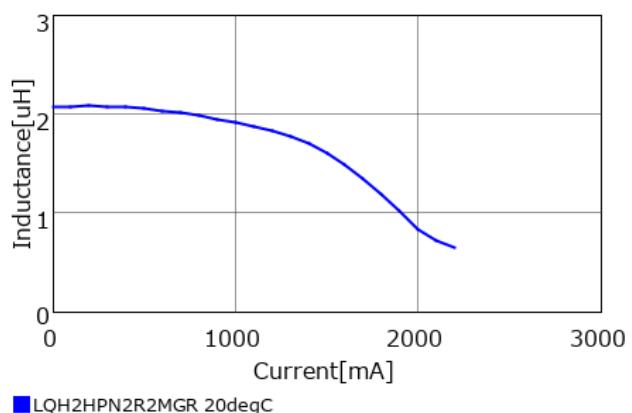
Frequency Characteristic (Q)



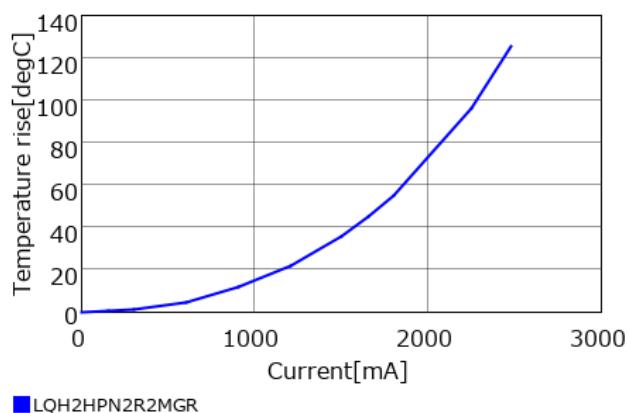
Frequency Characteristic (Z)



L-Current



Temperature rise characteristics



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