

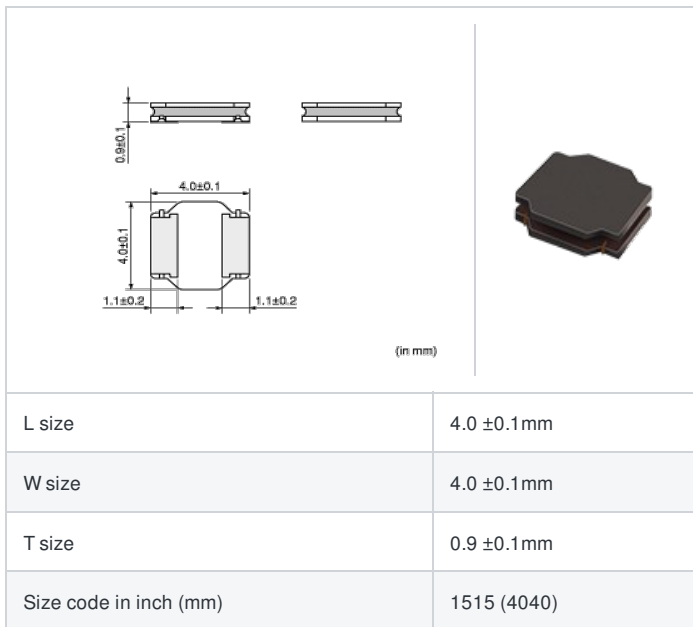
# LQH44PN470MGR#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH44PN470MGRL , LQH44PN470MGRK

## Shape



## Notes

When rated current is applied to the products, inductance will be within  $\pm 30\%$  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	1000
K	φ330mm Embossed taping	4500

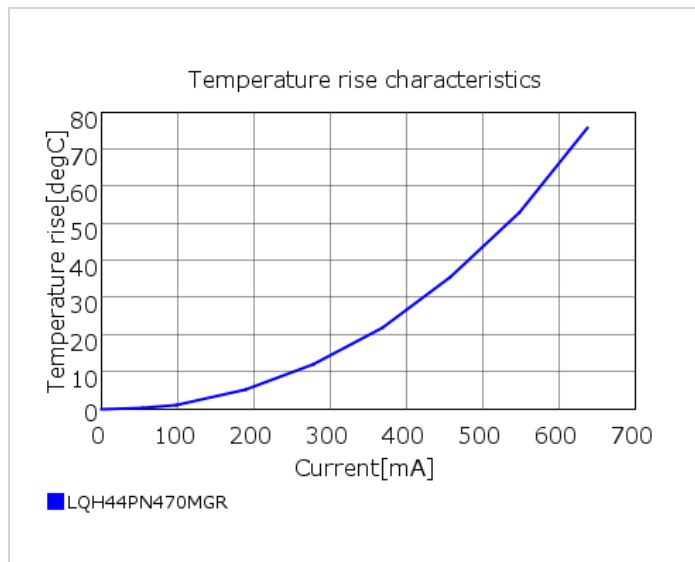
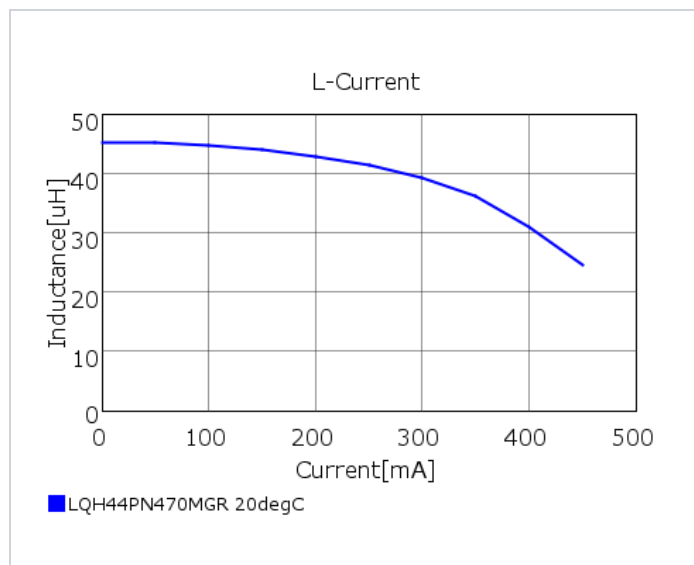
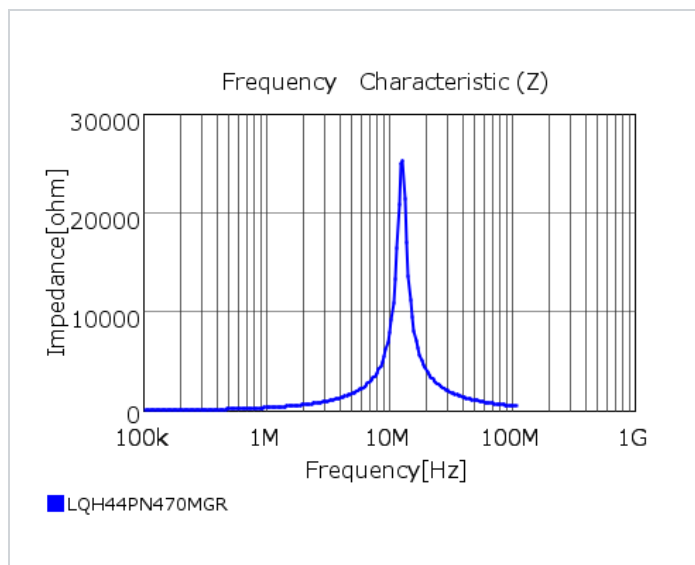
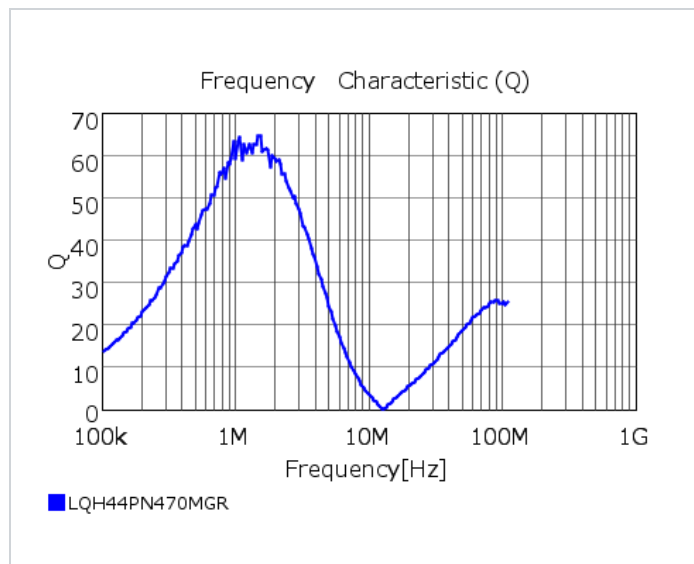
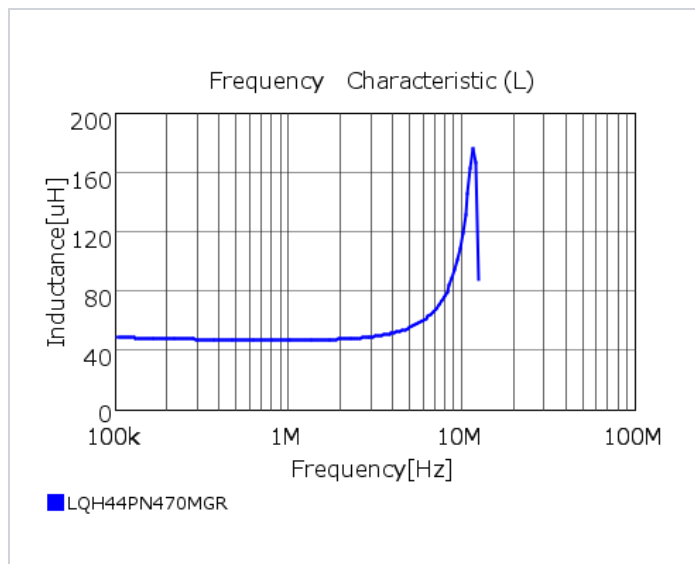
Mass (Typ.)	
1 piece	0.059g

## Specifications

Inductance	47μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	360mA
Rated current (Itemp) (Based on Temperature rise)	410mA(Ambient temp.85°C) 240mA(Ambient temp.105°C)
Max. of DC resistance	2.04Ω
Avg. of DC resistance	1.7Ω $\pm 20\%$
Self resonance frequency (min.)	6MHz
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	LQH44PN_GR

### Attention

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