

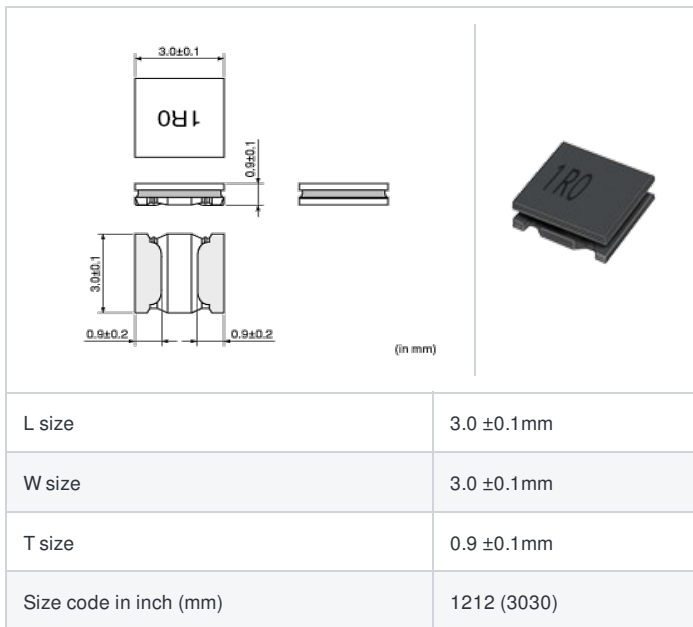
# LQH3NPNR47NGR#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH3NPNR47NGRL , LQH3NPNR47NGRK

## 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 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	φ180mm Embossed taping	3000
K	φ330mm Embossed taping	11000

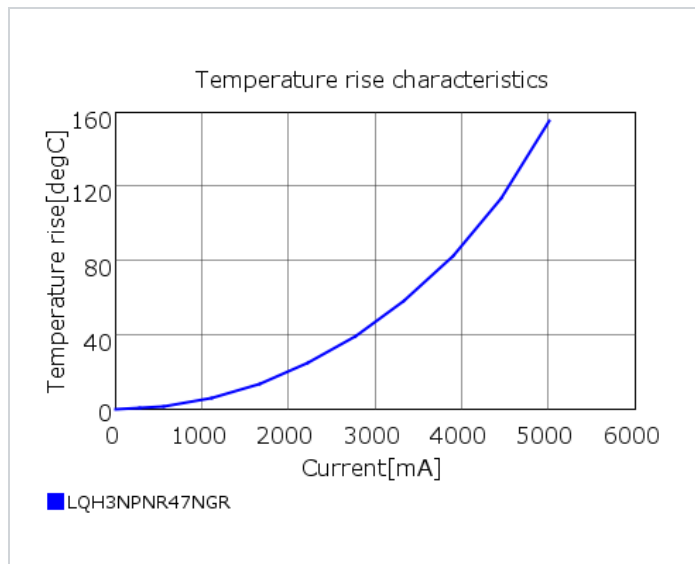
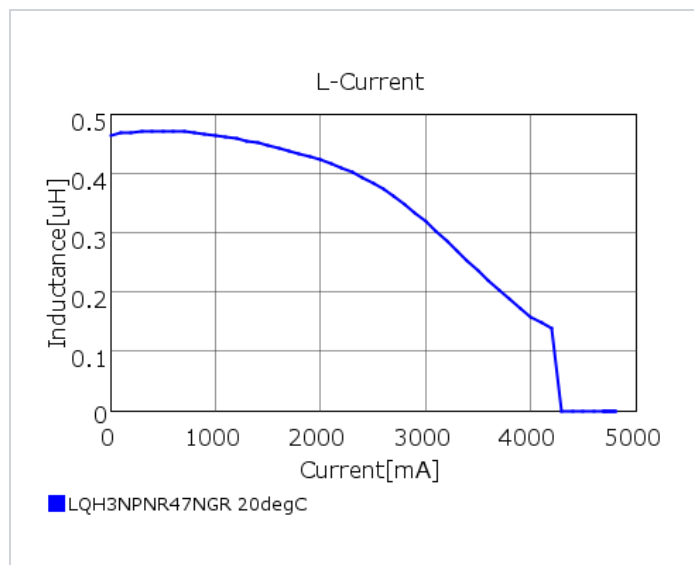
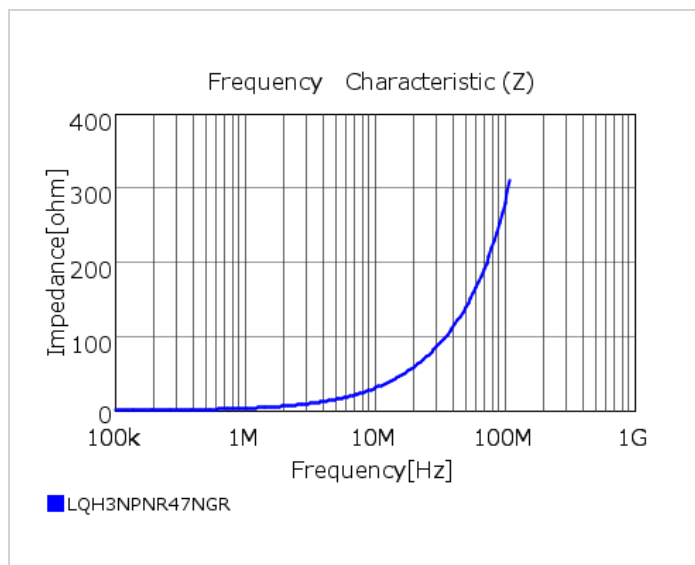
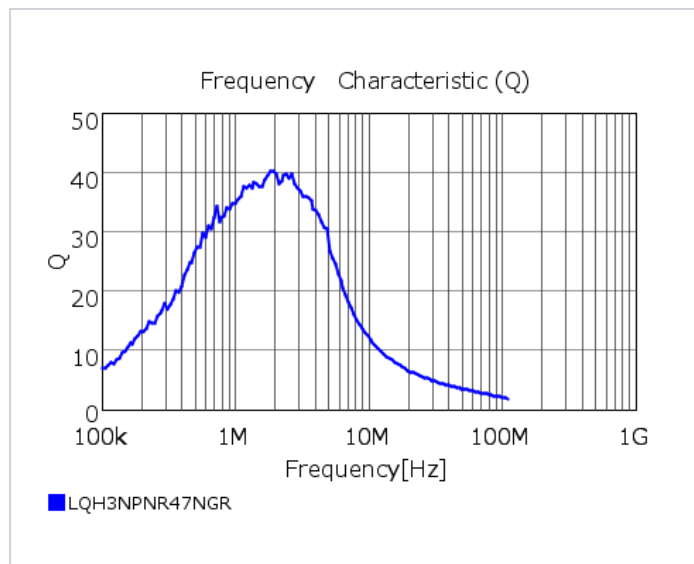
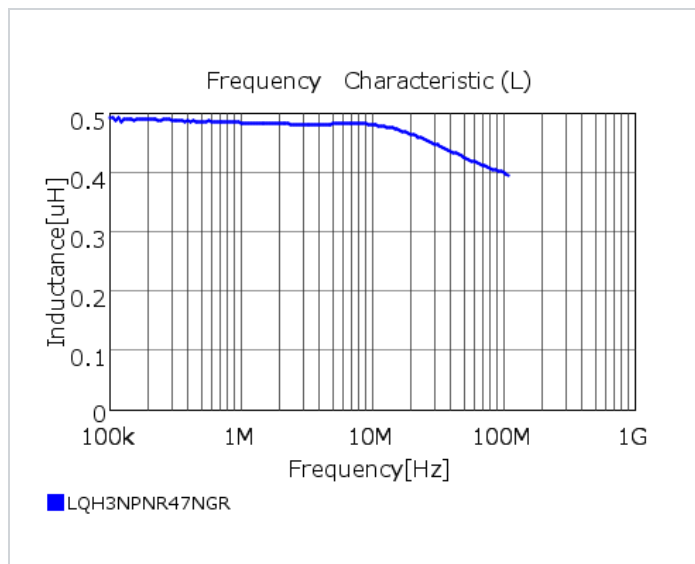
Mass (Typ.)	
1 piece	0.034g

## Specifications

Inductance	0.47μH $\pm 30\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2820mA
Rated current (Itemp) (Based on Temperature rise)	2540mA(Ambient temp.85°C) 1520mA(Ambient temp.105°C)
Max. of DC resistance	0.0564Ω
Avg. of DC resistance	0.047Ω $\pm 20\%$
Self resonance frequency (min.)	180MHz
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	LQH3NPN_GR

## Attention

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