

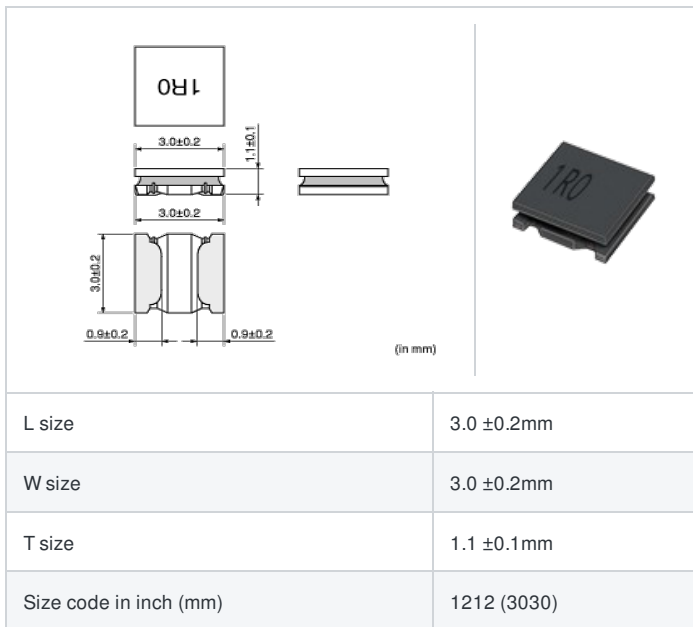
# LQH3NPN100MJR#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH3NPN100MJRL , LQH3NPN100MJRK

## 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	2000
K	φ330mm Embossed taping	8000

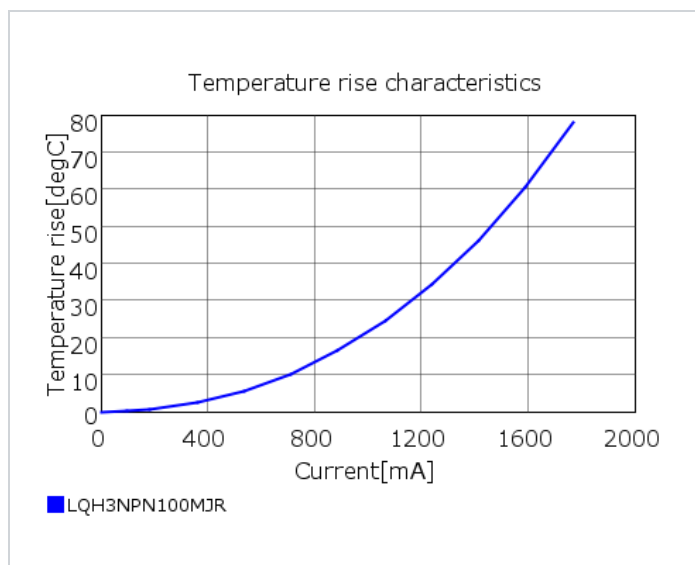
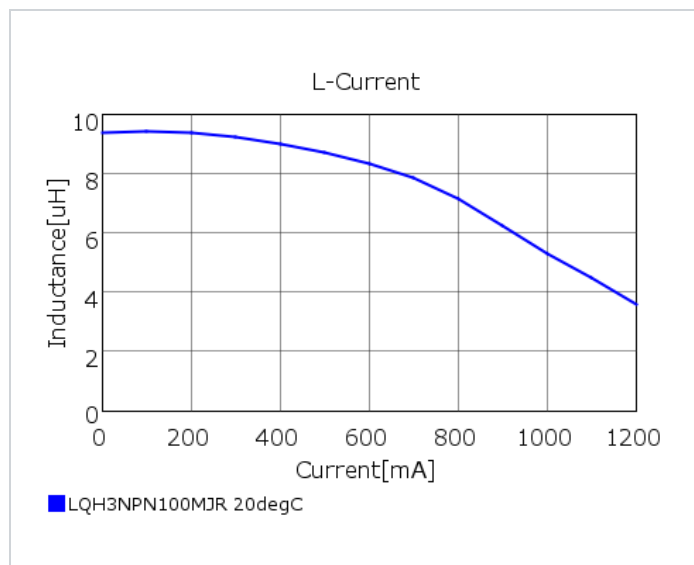
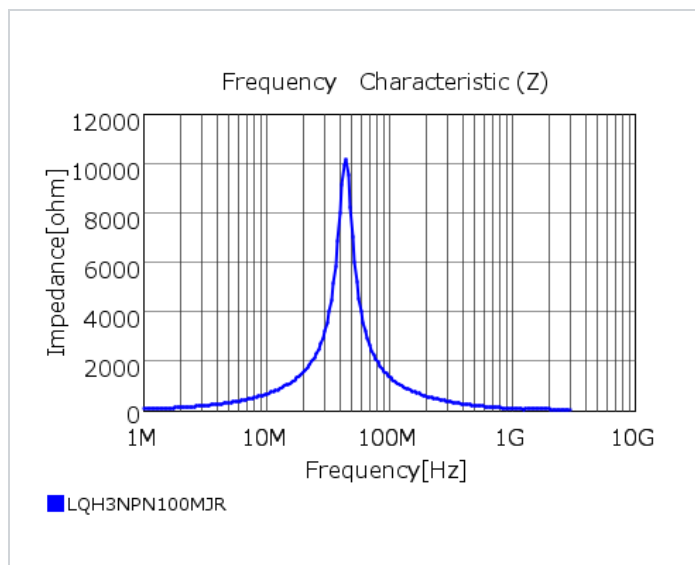
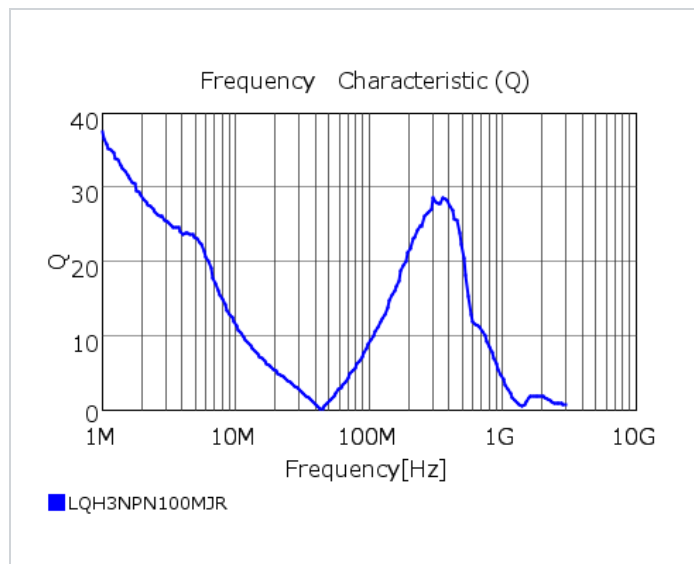
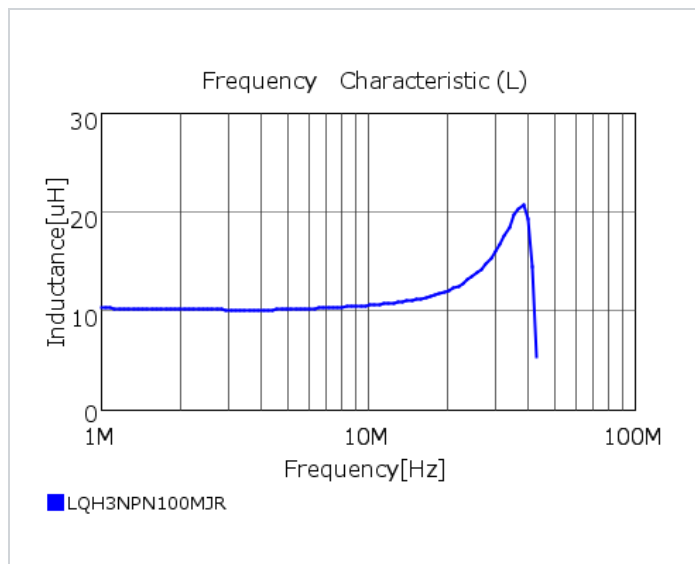
Mass (Typ.)	
1 piece	0.045g

## Specifications

Inductance	10μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	810mA
Rated current (Itemp) (Based on Temperature rise)	1200mA(Ambient temp.85°C) 530mA(Ambient temp.105°C)
Max. of DC resistance	0.288Ω
Avg. of DC resistance	0.24Ω $\pm 20\%$
Self resonance frequency (min.)	30MHz
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_JR

### Attention

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