

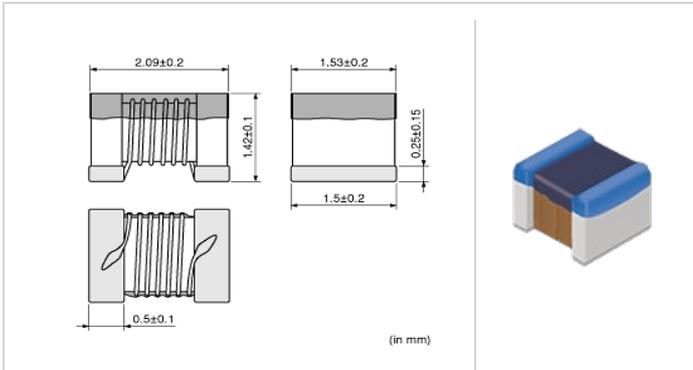
# LQW2BAN47NG00#

"#" indicates a package specification code.



< List of part numbers with package codes >  
 LQW2BAN47NG00L , LQW2BAN47NG00K , LQW2BAN47NG00B

## Shape



L size	2.09 ±0.2mm
W size	1.53 ±0.2mm
T size	1.42 ±0.1mm
Size code in inch (mm)	0805 (2015)

## Notes

In operating temperature exceeding +85°C, derating of current is necessary for LQW2BAN\_00 series.  
 Please apply the derating curve shown in chart according to the operating temperature.  
 When applied Rated current to the Products, self temperature rise shall be limited to 40°C max.  
 Please confirm "Notice (Rating)".

## References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	2000
K	φ330mm Embossed taping	8000
B	Packing in bulk	500

Mass (Typ.)	
1 piece	0.014g

## Specifications

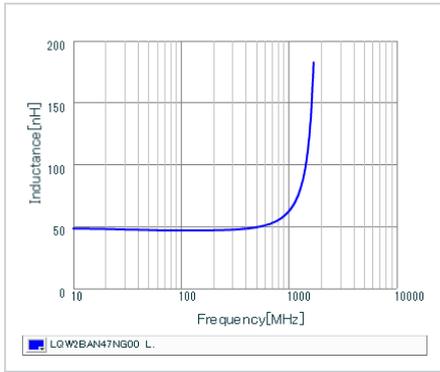
Inductance	47nH ±2%
Inductance test frequency	200MHz
Rated current (Itemp) (Based on Temperature rise)	1250mA
Max. of DC resistance	0.20Ω
Q (min.)	70
Q test frequency	500MHz
Self resonance frequency (min.)	1500MHz
Operating temperature range (Self-temperature rise is included)	-55~125°C
Series	LQW2BAN_00

### Attention

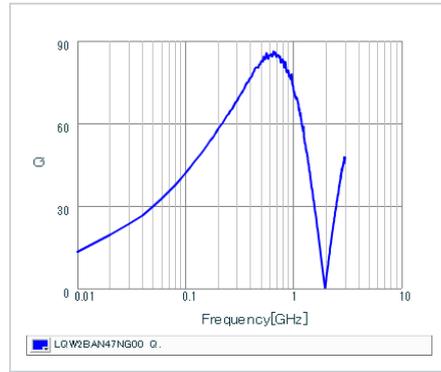
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Frequency characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



▪ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for LQW2BAN series. Please apply the derating curve shown in chart according to the operating temperature.

**Derating of Rated Current**

The derating curve shows that the rated current is maintained at 100% up to 85°C. Between 85°C and 125°C, the rated current is derated linearly to 50%. Above 125°C, the rated current is 0%.

Operating Temperature (°C)	Rated Derating (%)
0	100
85	100
125	50
125	0

**⚠ Attention**

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