

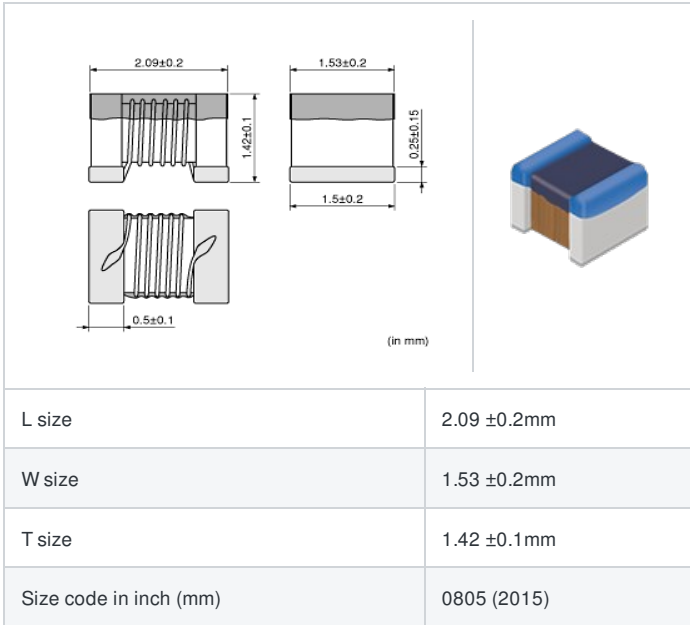
LQW2BAN47NJ00#

indicates a package specification code.



< List of part numbers with package codes >
 LQW2BAN47NJ00L , LQW2BAN47NJ00K , LQW2BAN47NJ00B

Shape



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

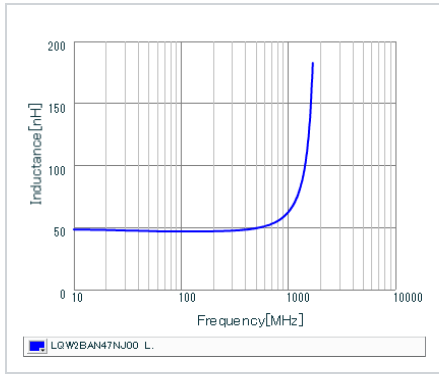
Inductance	47nH ±5%
Inductance test frequency	200MHz
Rated current (Itemp) (Based on Temperature rise)	1250mA
Max. of DC resistance	0.20Ω
Q (min.)	70
Q test frequency	500MHz
Self resonance frequency (min.)	1500MHz
Operating temperature range (Self-temperature rise is included)	-55~125°C
Series	LQW2BAN_00

Attention

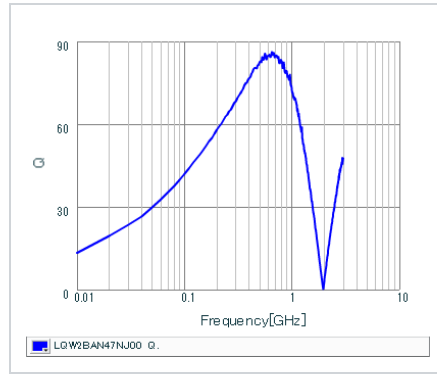
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ 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 graph shows Rated Derating (%) on the y-axis (0 to 100) and Operating Temperature (°C) on the x-axis (0 to 125). The derating is 100% from 0°C to 85°C, then decreases linearly to 50% at 125°C.

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

⚠ Attention

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