# Inductors data sheet

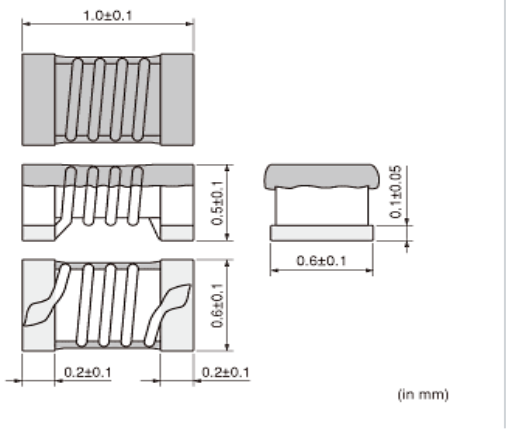
# LQW15AN2N2C80#

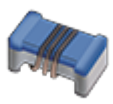
“ # ” indicates a package specification code.

Recommended | New | General | Wound (No Shield) | LowRdc | Thickness 0.6mm max. | HiQ | Reflow OK | RoHS

< List of part numbers with package codes >
LQW15AN2N2C80D , LQW15AN2N2C80B

## Shape



| | |
|---|---|
| L size | 1.0 ±0.1mm |
| W size | 0.6 ±0.1mm |
| T size | 0.5 ±0.1mm |
| Size code in inch (mm) | 0402 (1005) |

## Specifications

| | |
|---|---|
| Inductance | 2.2nH ±0.2nH |
| Inductance test frequency | 100MHz |
| Rated current (Itemp) (Based on Temperature rise) | 2530mA |
| Max. of DC resistance | 0.022Ω |
| Q (min.) | 30 |
| Q test frequency | 250MHz |
| Self resonance frequency (min.) | 15.5GHz |
| Operating temperature range (Self-temperature rise is not included) | -55～125℃ |

## Notes

In operating temperature exceeding +85℃, derating of current is necessary for LQW15A_80 series.
Please apply the derating curve shown in chart according to the operating temperature.
Please confirm the below "Notice (Rating)".

## References

| Packaging code | Specifications | Minimum quantity |
|---|---|---|
| D | φ180mm Paper taping | 10000 |
| B | Packing in bulk | 500 |

| Mass (Typ.) | |
|---|---|
| 1 piece | 0.0009g |





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URL : http://www.murata.com/
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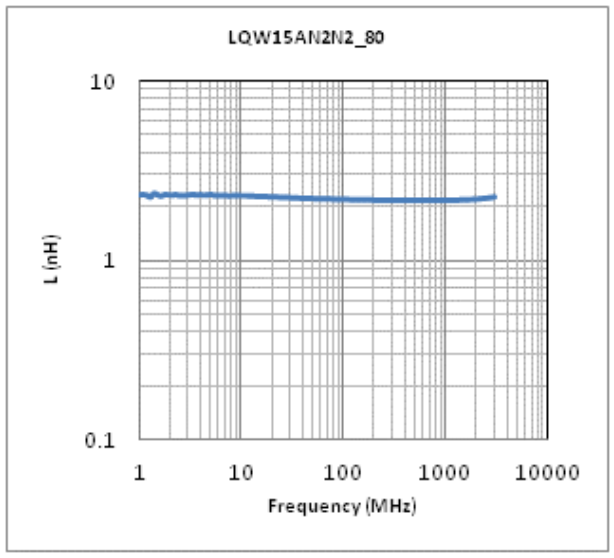
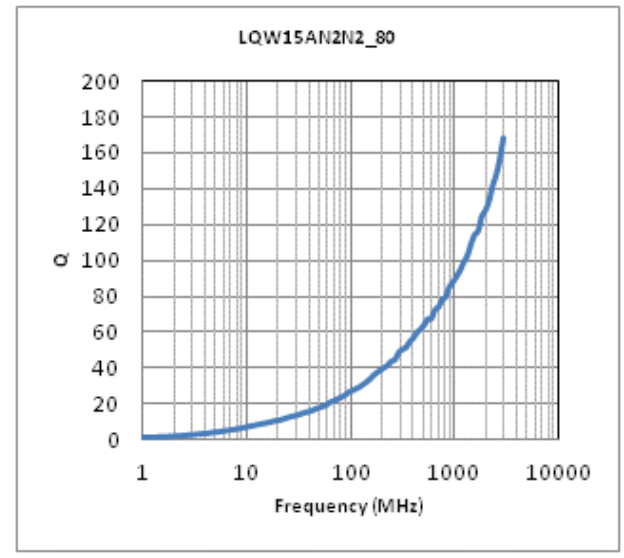
## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

- Inductance-Frequency characteristics (Typ.)



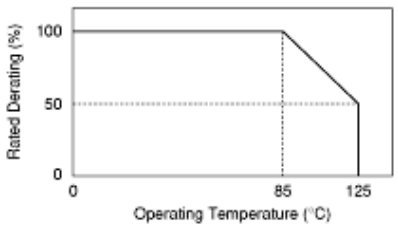

- Q-Frequency characteristics (Typ.)




- Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for LQW15A_80 series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current





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