

# LQW15AN9N7G80#

“ # ” indicates a package specification code.

Recommended

New

General

Wound  
(No Shield)

LowRdc

Thickness  
0.6mm  
max.

HiQ

Tight  
Tolerance

Reflow  
OK

RoHS

< List of part numbers with package codes >  
LQW15AN9N7G80D , LQW15AN9N7G80B

## 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) |

## 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              | 180mm Paper taping | 10000            |
| B              | Packing in bulk    | 500              |

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

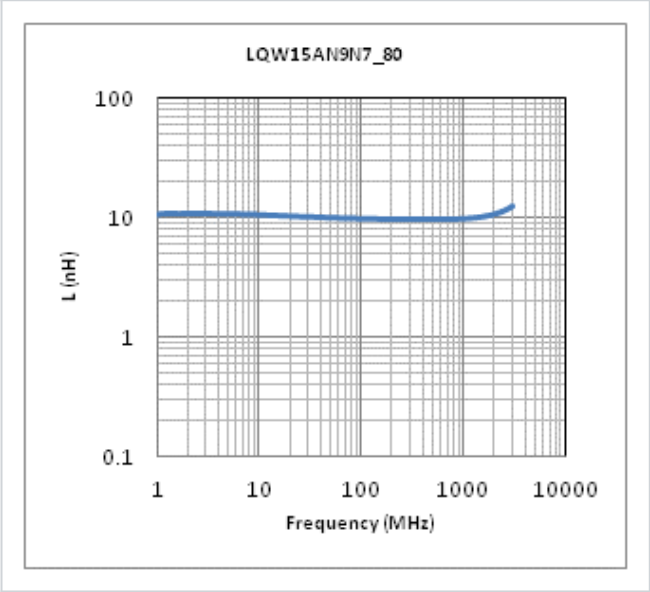
## Specifications

|   |            |
|---|------------|
| Inductance  | 9.7nH ± 2% |
| Inductance test frequency   | 100MHz     |
| Rated current (Itemp) (Based on Temperature rise)                   | 1400mA     |
| Max. of DC resistance   | 0.081      |
| Q (min.)  | 33         |
| Q test frequency  | 250MHz     |
| Self resonance frequency (min.)                                     | 6.0GHz     |
| Operating temperature range (Self-temperature rise is not included) | -55 ~ 125  |

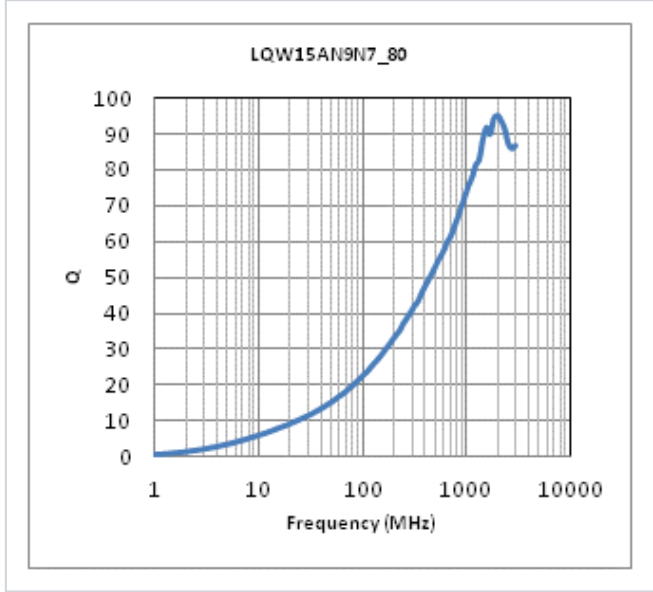
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▪ Inductance-Frequency characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



▪ Notice (Rating)



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