

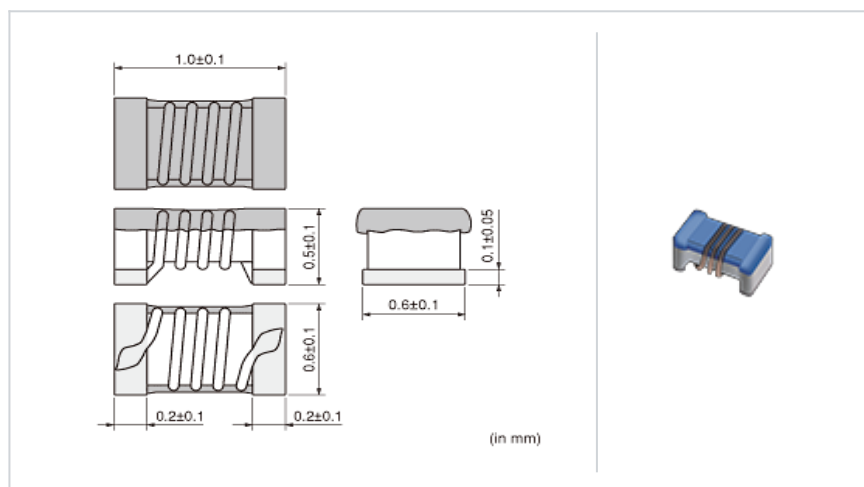
# LQW15AN56NG80#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQW15AN56NG80D , LQW15AN56NG80B

## 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	56nH ± 2%
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	340mA
Max. of DC resistance	0.996
Q (min.)	25
Q test frequency	200MHz
Self resonance frequency (min.)	2.9GHz
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

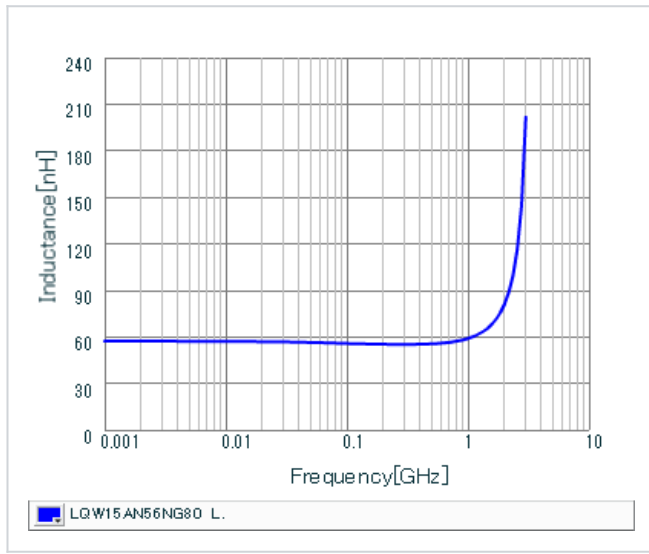
Packaging code	Specifications	Minimum quantity
D	180mm Paper taping	10000
B	Packing in bulk	500

Mass (Typ.)	
1 piece	0.0009g

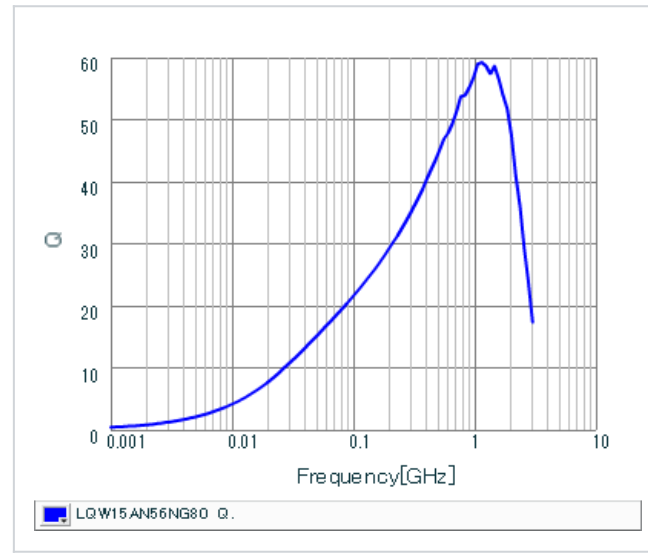
## Attention

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

▪ Inductance-Frequency characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



▪ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for LQW15AN\_8□ series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current

