

# LQH43PH100M26#

“#” at the end indicates the package specification code.

Size code 1812(4532)in inch(in mm), 125°C Operation Available



## < List of part numbers with package codes >

LQH43PH100M26K LQH43PH100M26L

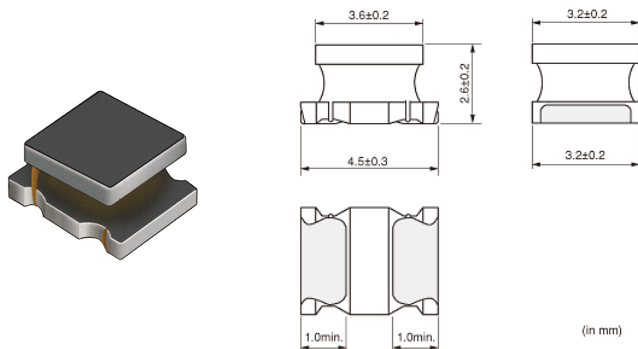
## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment, Medical equipment [GHF A/B/C] except for implant & surgery & auto injector Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Automotive powertrain/safety equipment

## Notices

When rated current is applied to the products, inductance will be within  $\pm 30\%$  of nominal inductance value. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 40°C max (ambient temperature 85°C max). When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 20°C max (ambient temperature 85°C to 105°C). Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

## Appearance & Shape



## References

Packaging	Specifications	Standard Packing Quantity
K	330 Embossed Tape	2500
L	180 Embossed Tape	500

Mass (typ.)	
1 piece	0.13g

### Attention

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.
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## Specifications

L size	4.5±0.3mm
W size	3.2±0.2mm
T size	2.6±0.2mm
Size code inch (mm)	1812 (4532)
Inductance	10μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1050mA
Rated current (Itemp) (Based on Temperature rise)	1170mA(Ambient temp.85°C) 620mA(Ambient temp.105°C)
Max. of DC resistance	0.1764Ω
DC resistance	0.147Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	20MHz
Brand	Murata
Series	LQH43PH_26

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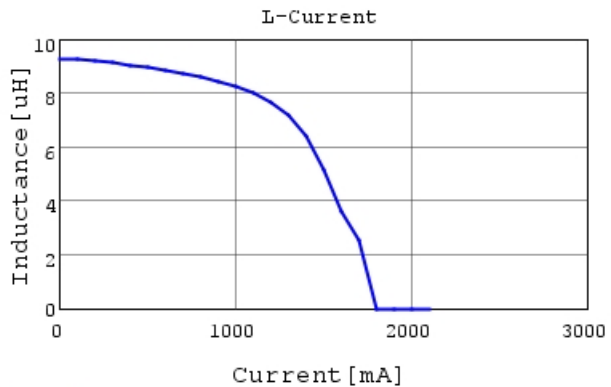
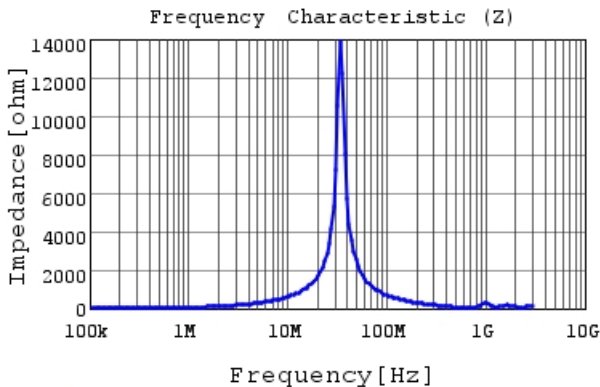
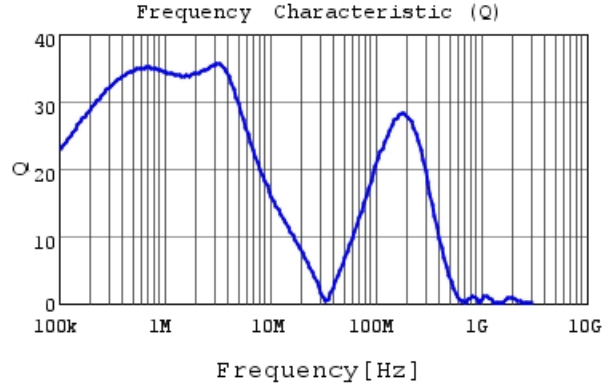
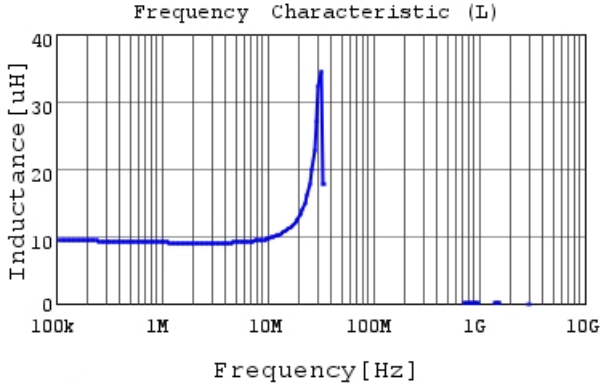
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## Characteristic Data

The charts below may show another part number which shares its characteristics.

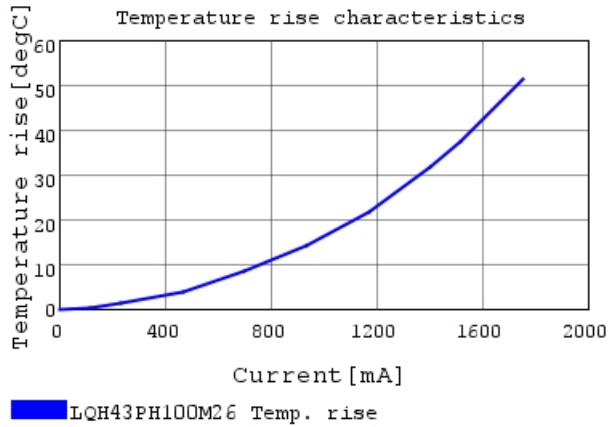


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