Inductor Data Sheet

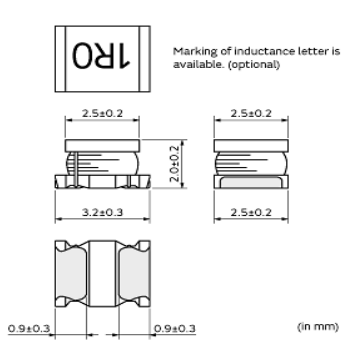
LQH32DN470K23#

"#" indicates a package specification code.

In Production | General | 105 °C max. | Wound (Ferrite) | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
LQH32DN470K23L , LQH32DN470K23K

Shape



L size	3.2 ±0.3mm
W size	2.5 ±0.2mm
T size	2.0 ±0.2mm
Size code in inch (mm)	1210 (3225)

Notes

When rated current is applied to the products, self-temperature rise shall be limited to 20°C max and inductance will be within ±10% of initial inductance value.

References

Packaging code	Specifications	Minimum quantity
L	ϕ180mm Embossed taping	2000
K	ϕ330mm Embossed taping	7500

Mass (Typ.)	
1 piece	0.060g

Specifications

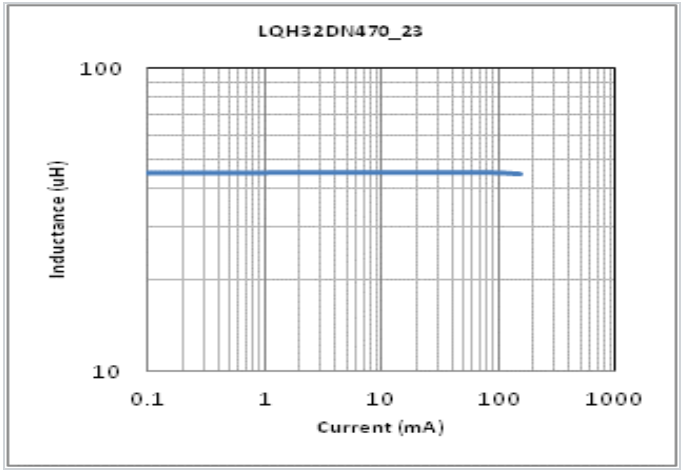
Inductance	47µH ±10%
Inductance test frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	170mA
Max. of DC resistance	1.69Ω
Avg. of DC resistance	1.3Ω±30%
Self resonance frequency (min.)	15MHz
Operating temperature range	-40～105℃
Class of magnetic shield	No Shield
Series	LQH32DN_23

Attention

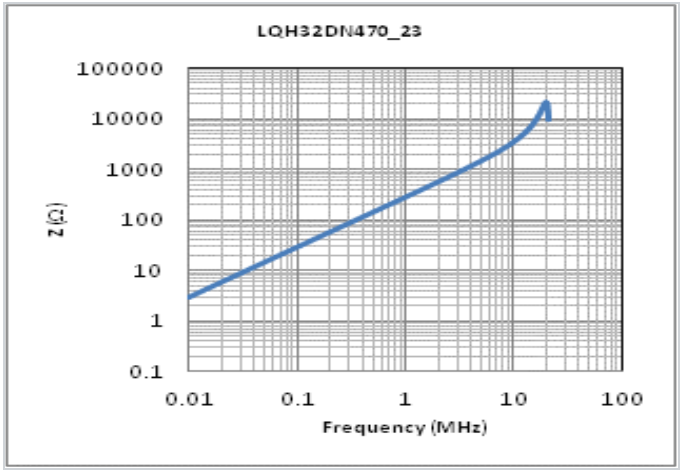
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2.This datasheet has 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.

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

- Inductance-Current characteristics (Typ.)



- Impedance-Frequency characteristics (Typ.)



Attention

1.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.
2.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.