

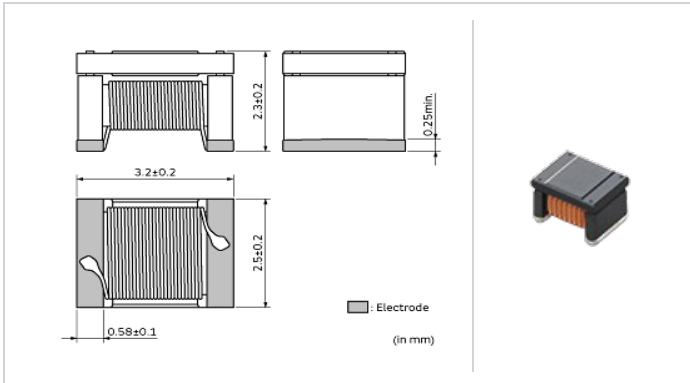
LQW32FT470M0H#

indicates a package specification code.



< List of part numbers with package codes >
LQW32FT470M0HL , LQW32FT470M0HB

Shape



L size	3.2 ±0.2mm
W size	2.5 ±0.2mm
T size	2.3 ±0.2mm
Size code in inch (mm)	1210 (3225)

Notes

When applied Rated current to the Products, inductance will be within ±30% of nominal inductance.
Keep the temperature(ambient temperature plus self-generation of heat) under 125 °C.
When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 40 °C max.
Rated current is derated as following figure depending on the operating temperature.
Please consider "Notice (Rating)."

References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	1500
B	Packing in bulk	500

Mass (Typ.)	
1 piece	0.073g

Specifications

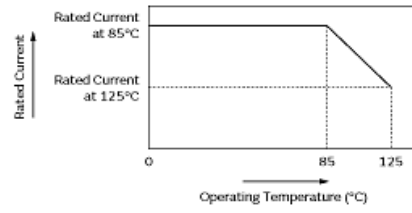
Inductance	47μH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	300mA
Rated current (Itemp) (Based on Temperature rise)	500mA(Ambient temp.85°C) 100mA(Ambient temp.125°C)
Max. of DC resistance	0.90Ω
Self resonance frequency (min.)	30MHz
Operating temperature range	-40~125°C
Class of magnetic shield	Ferrite Core
Series	LQW32FT_0H

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.

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

Derating of Rated Current



 **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.