

# LQW18AS82NG0CB

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

Air-core inductor with non-magnetic electrode material which does not disturb magnetic field in magnetic field utilized application such as MRI.

In Production

RoHS

REACH

85 °C max.

Wound (Non mag)

Tight Tolerance

Reflow OK

< List of part numbers with package codes >

LQW18AS82NG0CB

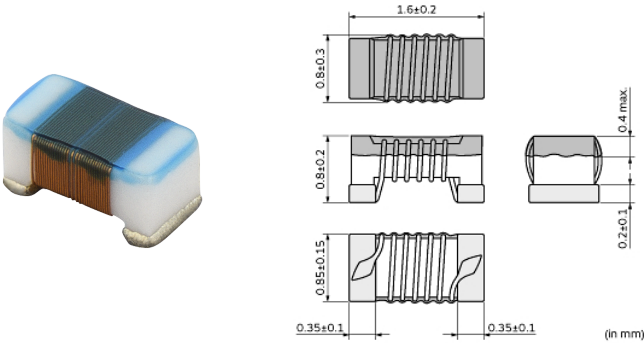
LQW18AS82NG0CD

LQW18AS82NG0CJ

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>Consumer equipment, Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; auto injector, Industrial equipment except for transportation &amp; facility &amp; energy equipment</p> <p>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.</p>
Recommended Applications	Consumer equipment

## Appearance & Shape



**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.

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## References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000

Mass (typ.)	
1 piece	0.003g

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## Specifications

L size	1.6±0.2mm
W size	0.8±0.3mm
T size	0.8±0.2mm
Size code inch (mm)	0603 (1608)
Inductance	82nH±2%
Inductance Test Frequency	150MHz
Rated current (Itemp) (Based on Temperature rise)	400mA
Max. of DC resistance	0.54Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 85°C
Class of magnetic shield	Non-Shielded
Q(min.)	34
Q Test Frequency	150MHz
Self resonance frequency (min.)	1700MHz
Brand	Murata
Series	LQW18AS_0C

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