

LQM18DZ6R8M70L

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

Bias Current Characteristics Improved



< List of part numbers with package codes >

LQM18DZ6R8M70B LQM18DZ6R8M70L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Automotive infotainment/comfort equipment, Medical equipment [GHF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment 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 infotainment/comfort equipment

Appearance & Shape



(in mm)

References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
L	180Embossed Tape	4000

Mass (typ.)	
1 piece	0.005g

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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Specifications

L size	1.6±0.15mm
W size	0.8±0.15mm
T size	0.8±0.15mm
Size code inch (mm)	0603 (1608)
Inductance	6.8μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	120mA
Rated current (Itemp) (Based on Temperature rise)	330mA
Max. of DC resistance	0.96Ω
DC resistance	0.74Ω±0.22Ω
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	40MHz
Brand	Murata
Operating Temperature Range	-55°C to 125°C
Series	LQM18DZ_70

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