

LQH2MPZ3R3MGR#

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http://www.murata.com/en-gb/products/productdetail?partno=LQH2MPZ3R3MGR%23

"#" indicates a package specification code.

0806(inch) / 2016(mm) size, 0.95 mm max height, low DC resistance inductor.

















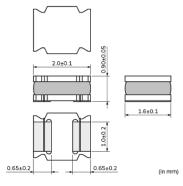


< List of part numbers with package codes > LQH2MPZ3R3MGRL



Appearance & Shape







Notices

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range. 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 selfgenerated 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).



References

Packaging	Specifications	Standard
		Packing
		Quantity
L	180Embossed Tape	3000

Mass (typ.)		
	1 piece	0.01g

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Specifications

L size 2.0±0.1mm W size 1.6±0.1mm T size 0.9±0.05mm Size code inch (mm) 0806 (2016) Inductance 3.3μH±20% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) 1020mA Rated current (Itemp) 640mA(Ambient temp.85°C) (Based on Temperature rise) 380mA(Ambient temp.105°C) Max. of DC resistance 0.564Ω Operating Temperature -40°C to 125°C rise is included) Ferrite Core Self resonance frequency (min.) 45MHz Operating Temperature Range(Self-temperature rise is not included) -40°C to 105°C Brand Murata DC Resistance Intermediate Values 0.47Ω±20% Series LQH2MPZ_GR			
T size 0.9±0.05mm Size code inch (mm) 0806 (2016) Inductance 3.3μH±20% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) 640mA(Ambient temp.85°C) 380mA(Ambient temp.105°C) Max. of DC resistance 0.564Ω Operating Temperature Range (Self-temperature rise is included) Ferrite Core Self resonance frequency (min.) Operating Temperature Range(Self-temperature rise is not included) DC Resistance Intermediate Values 0.47Ω±20%	L size	2.0±0.1mm	
Size code inch (mm) 0806 (2016) Inductance 3.3μH±20% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance Operating Temperature Range (Self-temperature rise is included) Class of magnetic shield Ferrite Core Self resonance frequency (min.) Operating Temperature Range(Self-temperature and the following temperature and the following tempera	W size	1.6±0.1mm	
Inductance Test Frequency Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance Operating Temperature Range (Self-temperature rise is included) Class of magnetic shield Ferrite Core Self resonance frequency (min.) Operating Temperature Range(Self-temperature Range(Self-temperature) Range(Self-temperature rise) Inductance 1020mA 1020mA 640mA(Ambient temp.85°C) 380mA(Ambient temp.85°C) 380mA(Ambient temp.105°C) Ferrite Core 45°C to 125°C 45MHz 45°C to 105°C Inductance 45°C to 105°C Inductance Anductance Anductance Anductance Anductance Anductance 1020mA Anductance 1020mA 1020	T size	0.9±0.05mm	
Inductance Test Frequency Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance Operating Temperature Range (Self-temperature rise is included) Class of magnetic shield Ferrite Core Self resonance frequency (min.) Operating Temperature Range(Self-temperature Range(Self-temperature) AbMHz -40°C to 125°C Ferrite Core 45MHz -40°C to 105°C is not included) Murata DC Resistance Intermediate Values	Size code inch (mm)	0806 (2016)	
Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance Operating Temperature Range (Self-temperature rise is included) Class of magnetic shield Self resonance frequency (min.) Operating Temperature Range (Self-temperature Self resonance frequency (min.) Operating Temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature rise is not included) Brand Murata DC Resistance Intermediate Values	Inductance	3.3µH±20%	
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(Based on Temperature rise) 380mA(Ambient temp.105°C) Max. of DC resistance 0.564Ω Operating Temperature -40°C to 125°C Range (Self-temperature rise is included) Ferrite Core Class of magnetic shield Ferrite Core Self resonance frequency (min.) 45MHz Operating Temperature Range(Self-temperature rise is not included) -40°C to 105°C Brand Murata DC Resistance Intermediate Values 0.47Ω±20%	, , ,	1020mA	
Max. of DC resistance 0.564Ω Operating Temperature -40°C to 125°C Range (Self-temperature rise is included) Ferrite Core Class of magnetic shield Ferrite Core Self resonance frequency (min.) 45MHz Operating Temperature -40°C to 105°C is not included) Murata DC Resistance Intermediate 0.47Ω±20%	Rated current (Itemp)	640mA(Ambient temp.85°C)	
Operating Temperature Range (Self-temperature rise is included) Class of magnetic shield Ferrite Core Self resonance frequency (min.) Operating Temperature Range(Self-temperature rise is not included) Brand Murata DC Resistance Intermediate Values -40°C to 125°C -45MHz 45MHz 45MHz -40°C to 105°C -40°C to 105°C -40°C to 105°C	(Based on Temperature rise)	380mA(Ambient temp.105°C)	
Range (Self-temperature rise is included) -40°C to 125°C Class of magnetic shield Ferrite Core Self resonance frequency (min.) 45MHz Operating Temperature Range(Self-temperature rise is not included) -40°C to 105°C Brand Murata DC Resistance Intermediate Values 0.47Ω±20%	Max. of DC resistance	0.564Ω	
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(min.) Operating Temperature Range(Self-temperature rise is not included) Brand Murata DC Resistance Intermediate Values Values 45MHz -40°C to 105°C in not included) 0.47Ω±20%	Class of magnetic shield	Ferrite Core	
Operating Temperature Range(Self-temperature rise is not included) -40°C to 105°C Brand Murata DC Resistance Intermediate Values 0.47Ω±20%	i i	45MHz	
Range(Self-temperature rise is not included) -40°C to 105°C Brand Murata DC Resistance Intermediate Values 0.47Ω±20%	,		
is not included) Brand Murata DC Resistance Intermediate Values 0.47Ω±20%			
Brand Murata DC Resistance Intermediate Values 0.47Ω±20%	Range(Self-temperature rise	-40°C to 105°C	
DC Resistance Intermediate Values 0.47Ω±20%	is not included)		
Values $0.47\Omega\pm20\%$	Brand	Murata	
Values	DC Resistance Intermediate	0.47Ω±20%	
Series LQH2MPZ_GR	Values		
	Series	LQH2MPZ_GR	

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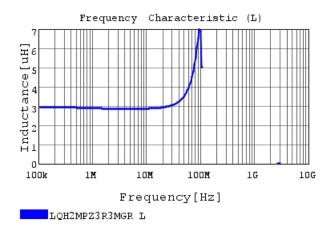
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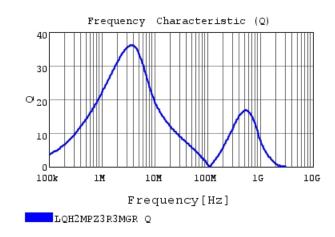
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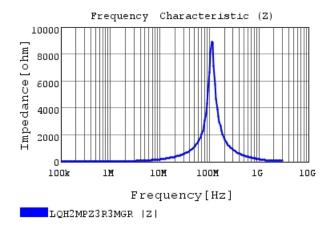


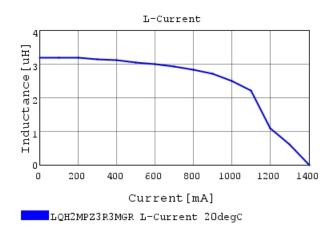
Characteristic Data

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









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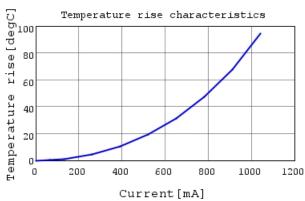
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LQH2MPZ3R3MGR Temp. rise

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