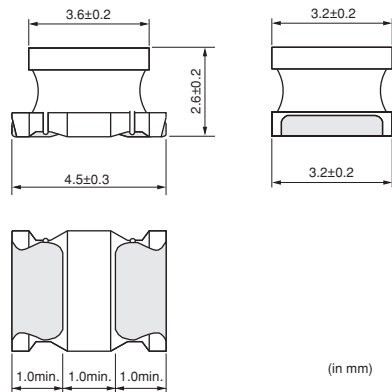


LQH43MN_03/LQH43NN_03 Series 4532/1812 (mm/inch)



■ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
L	ø180mm Embossed taping	500
K	ø330mm Embossed taping	2500

■ Rated Value (□: packaging code)

Part Number	Inductance	Inductance test frequency	Rated current	Max. of DC resistance	Q (min.)	Q test frequency	Self resonance frequency (min.)
LQH43MN1R0M03□	1.0μH ±20%	1MHz	500mA	0.20Ω	20	1MHz	120MHz
LQH43MN1R2M03□	1.2μH ±20%	1MHz	500mA	0.20Ω	20	1MHz	100MHz
LQH43MN1R5M03□	1.5μH ±20%	1MHz	500mA	0.30Ω	20	1MHz	85MHz
LQH43MN1R8M03□	1.8μH ±20%	1MHz	500mA	0.30Ω	20	1MHz	75MHz
LQH43MN2R2M03□	2.2μH ±20%	1MHz	500mA	0.30Ω	20	1MHz	62MHz
LQH43MN2R7M03□	2.7μH ±20%	1MHz	500mA	0.32Ω	20	1MHz	53MHz
LQH43MN3R3M03□	3.3μH ±20%	1MHz	500mA	0.35Ω	20	1MHz	47MHz
LQH43MN3R9M03□	3.9μH ±20%	1MHz	500mA	0.38Ω	20	1MHz	41MHz
LQH43MN4R7K03□	4.7μH ±10%	1MHz	500mA	0.40Ω	30	1MHz	38MHz
LQH43MN5R6K03□	5.6μH ±10%	1MHz	500mA	0.47Ω	30	1MHz	33MHz
LQH43MN6R8K03□	6.8μH ±10%	1MHz	450mA	0.50Ω	30	1MHz	31MHz
LQH43MN8R2K03□	8.2μH ±10%	1MHz	450mA	0.56Ω	30	1MHz	27MHz
LQH43MN100J03□	10μH ±5%	1MHz	400mA	0.56Ω	35	1MHz	23MHz
LQH43MN100K03□	10μH ±10%	1MHz	400mA	0.56Ω	35	1MHz	23MHz
LQH43MN120J03□	12μH ±5%	1MHz	380mA	0.62Ω	35	1MHz	21MHz
LQH43MN120K03□	12μH ±10%	1MHz	380mA	0.62Ω	35	1MHz	21MHz
LQH43MN150J03□	15μH ±5%	1MHz	360mA	0.73Ω	35	1MHz	19MHz
LQH43MN150K03□	15μH ±10%	1MHz	360mA	0.73Ω	35	1MHz	19MHz
LQH43MN180J03□	18μH ±5%	1MHz	340mA	0.82Ω	35	1MHz	17MHz
LQH43MN180K03□	18μH ±10%	1MHz	340mA	0.82Ω	35	1MHz	17MHz
LQH43MN220J03□	22μH ±5%	1MHz	320mA	0.94Ω	35	1MHz	15MHz
LQH43MN220K03□	22μH ±10%	1MHz	320mA	0.94Ω	35	1MHz	15MHz
LQH43MN270J03□	27μH ±5%	1MHz	300mA	1.1Ω	35	1MHz	14MHz
LQH43MN270K03□	27μH ±10%	1MHz	300mA	1.1Ω	35	1MHz	14MHz
LQH43MN330J03□	33μH ±5%	1MHz	270mA	1.2Ω	35	1MHz	12MHz

Class of magnetic shield: No magnetic shield

Operating temperature range (Self-temperature rise is not included): -40~85°C

Continued on the following page.

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Part Number	Inductance	Inductance test frequency	Rated current	Max. of DC resistance	Q (min.)	Q test frequency	Self resonance frequency (min.)
LQH43MN330K03□	33μH ±10%	1MHz	270mA	1.2Ω	35	1MHz	12MHz
LQH43MN390J03□	39μH ±5%	1MHz	240mA	1.4Ω	35	1MHz	11MHz
LQH43MN390K03□	39μH ±10%	1MHz	240mA	1.4Ω	35	1MHz	11MHz
LQH43MN470J03□	47μH ±5%	1MHz	220mA	1.5Ω	35	1MHz	10MHz
LQH43MN470K03□	47μH ±10%	1MHz	220mA	1.5Ω	35	1MHz	10MHz
LQH43MN560J03□	56μH ±5%	1MHz	200mA	1.7Ω	35	1MHz	9.3MHz
LQH43MN560K03□	56μH ±10%	1MHz	200mA	1.7Ω	35	1MHz	9.3MHz
LQH43MN680J03□	68μH ±5%	1MHz	180mA	1.9Ω	35	1MHz	8.4MHz
LQH43MN680K03□	68μH ±10%	1MHz	180mA	1.9Ω	35	1MHz	8.4MHz
LQH43MN820J03□	82μH ±5%	1MHz	170mA	2.2Ω	35	1MHz	7.5MHz
LQH43MN820K03□	82μH ±10%	1MHz	170mA	2.2Ω	35	1MHz	7.5MHz
LQH43MN101J03□	100μH ±5%	1MHz	160mA	2.5Ω	40	796kHz	6.8MHz
LQH43MN101K03□	100μH ±10%	1MHz	160mA	2.5Ω	40	796kHz	6.8MHz
LQH43MN121J03□	120μH ±5%	1MHz	150mA	3.0Ω	40	796kHz	6.2MHz
LQH43MN121K03□	120μH ±10%	1MHz	150mA	3.0Ω	40	796kHz	6.2MHz
LQH43MN151J03□	150μH ±5%	1MHz	130mA	3.7Ω	40	796kHz	5.5MHz
LQH43MN151K03□	150μH ±10%	1MHz	130mA	3.7Ω	40	796kHz	5.5MHz
LQH43MN181J03□	180μH ±5%	1MHz	120mA	4.5Ω	40	796kHz	5MHz
LQH43MN181K03□	180μH ±10%	1MHz	120mA	4.5Ω	40	796kHz	5MHz
LQH43MN221J03□	220μH ±5%	1MHz	110mA	5.4Ω	40	796kHz	4.5MHz
LQH43MN221K03□	220μH ±10%	1MHz	110mA	5.4Ω	40	796kHz	4.5MHz
LQH43MN271J03□	270μH ±5%	1MHz	100mA	6.8Ω	40	796kHz	4MHz
LQH43MN271K03□	270μH ±10%	1MHz	100mA	6.8Ω	40	796kHz	4MHz
LQH43MN331J03□	330μH ±5%	1MHz	95mA	8.2Ω	40	796kHz	3.6MHz
LQH43MN331K03□	330μH ±10%	1MHz	95mA	8.2Ω	40	796kHz	3.6MHz
LQH43MN391J03□	390μH ±5%	1MHz	90mA	9.7Ω	40	796kHz	3.3MHz
LQH43MN391K03□	390μH ±10%	1MHz	90mA	9.7Ω	40	796kHz	3.3MHz
LQH43MN471J03□	470μH ±5%	1kHz	80mA	11.8Ω	40	796kHz	3MHz
LQH43MN471K03□	470μH ±10%	1kHz	80mA	11.8Ω	40	796kHz	3MHz
LQH43MN561J03□	560μH ±5%	1kHz	70mA	14.5Ω	40	796kHz	2.7MHz
LQH43MN561K03□	560μH ±10%	1kHz	70mA	14.5Ω	40	796kHz	2.7MHz
LQH43MN681J03□	680μH ±5%	1kHz	65mA	17.0Ω	40	796kHz	2.5MHz
LQH43MN681K03□	680μH ±10%	1kHz	65mA	17.0Ω	40	796kHz	2.5MHz
LQH43MN821J03□	820μH ±5%	1kHz	60mA	20.5Ω	40	796kHz	2.2MHz
LQH43MN821K03□	820μH ±10%	1kHz	60mA	20.5Ω	40	796kHz	2.2MHz
LQH43MN102J03□	1000μH ±5%	1kHz	50mA	25.0Ω	40	252kHz	2MHz
LQH43MN102K03□	1000μH ±10%	1kHz	50mA	25.0Ω	40	252kHz	2MHz
LQH43MN122J03□	1200μH ±5%	1kHz	45mA	30.0Ω	40	252kHz	1.8MHz
LQH43MN122K03□	1200μH ±10%	1kHz	45mA	30.0Ω	40	252kHz	1.8MHz
LQH43MN152J03□	1500μH ±5%	1kHz	40mA	37.0Ω	40	252kHz	1.6MHz
LQH43MN152K03□	1500μH ±10%	1kHz	40mA	37.0Ω	40	252kHz	1.6MHz
LQH43NN182J03□	1800μH ±5%	1kHz	35mA	45.0Ω	40	252kHz	1.5MHz
LQH43NN182K03□	1800μH ±10%	1kHz	35mA	45.0Ω	40	252kHz	1.5MHz
LQH43NN222J03□	2200μH ±5%	1kHz	30mA	50.0Ω	40	252kHz	1.3MHz

Class of magnetic shield: No magnetic shield

Operating temperature range (Self-temperature rise is not included): -40~85°C

Continued on the following page.

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Continued from the preceding page.

Part Number	Inductance	Inductance test frequency	Rated current	Max. of DC resistance	Q (min.)	Q test frequency	Self resonance frequency (min.)
LQH43NN222K03□	2200 μ H \pm 10%	1kHz	30mA	50.0 Ω	40	252kHz	1.3MHz

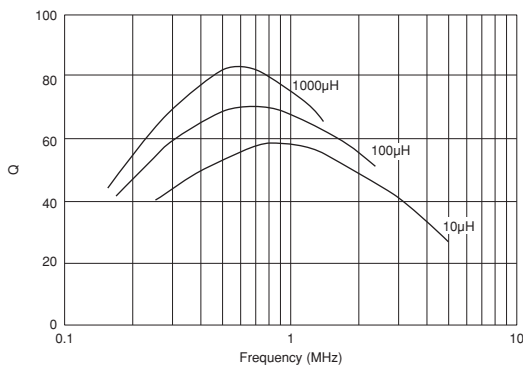
Class of magnetic shield: No magnetic shield

Operating temperature range (Self-temperature rise is not included): -40~85°C

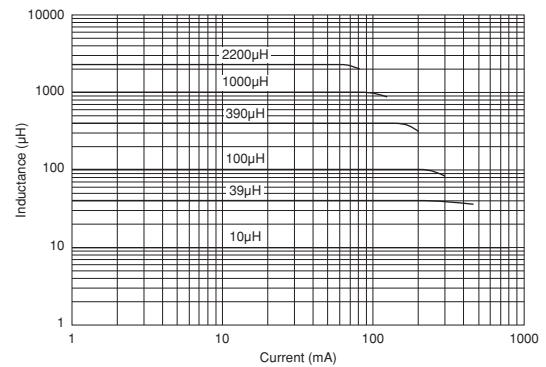
■ Notice (Rating)

When Rated Current is applied to the Products, self-generation of heat will rise to 25°C or less.

■ Q-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ ⚠ Caution/Notice

⚠ Caution (Rating)

Do not use products beyond the rated current as this may create excessive heat.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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