

Chip Coils for General Use Wire Wound Type



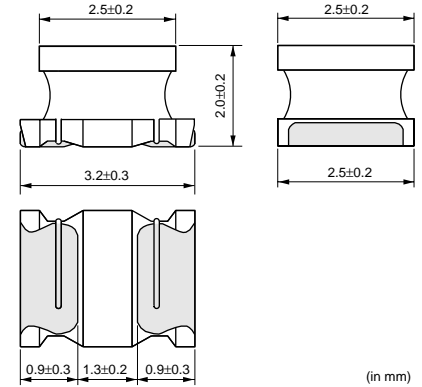
LQH32M Series (1210 Size)

LQH32M series consists of miniature chip inductors wire wound on a special ferrite core.

Dimension

Features

1. High Q value at high frequencies and low DC resistance
2. Wide inductance range from 1.0 to 560 micro H



Rated Value (□: packaging code)

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQH32MN1R0M23□	1.0μH±20%	1MHz	445mA	0.5ohm	20	1MHz	100MHz
LQH32MN1R2M23□	1.2μH±20%	1MHz	425mA	0.6ohm	20	1MHz	100MHz
LQH32MN1R5K23□	1.5μH±10%	1MHz	400mA	0.6ohm	20	1MHz	75MHz
LQH32MN1R8K23□	1.8μH±10%	1MHz	390mA	0.7ohm	20	1MHz	60MHz
LQH32MN2R2K23□	2.2μH±10%	1MHz	370mA	0.8ohm	20	1MHz	50MHz
LQH32MN2R7K23□	2.7μH±10%	1MHz	320mA	0.9ohm	20	1MHz	43MHz
LQH32MN3R3K23□	3.3μH±10%	1MHz	300mA	1.0ohm	20	1MHz	38MHz
LQH32MN3R9K23□	3.9μH±10%	1MHz	290mA	1.1ohm	20	1MHz	35MHz
LQH32MN4R7K23□	4.7μH±10%	1MHz	270mA	1.2ohm	20	1MHz	31MHz
LQH32MN5R6K23□	5.6μH±10%	1MHz	250mA	1.3ohm	20	1MHz	28MHz
LQH32MN6R8K23□	6.8μH±10%	1MHz	240mA	1.5ohm	20	1MHz	25MHz
LQH32MN8R2K23□	8.2μH±10%	1MHz	225mA	1.6ohm	20	1MHz	23MHz
LQH32MN100J23□	10μH±5%	1MHz	190mA	1.8ohm	35	1MHz	20MHz
LQH32MN100K23□	10μH±10%	1MHz	190mA	1.8ohm	35	1MHz	20MHz
LQH32MN120J23□	12μH±5%	1MHz	180mA	2.0ohm	35	1MHz	18MHz
LQH32MN120K23□	12μH±10%	1MHz	180mA	2.0ohm	35	1MHz	18MHz
LQH32MN150J23□	15μH±5%	1MHz	170mA	2.2ohm	35	1MHz	16MHz
LQH32MN150K23□	15μH±10%	1MHz	170mA	2.2ohm	35	1MHz	16MHz
LQH32MN180J23□	18μH±5%	1MHz	165mA	2.5ohm	35	1MHz	15MHz
LQH32MN180K23□	18μH±10%	1MHz	165mA	2.5ohm	35	1MHz	15MHz
LQH32MN220J23□	22μH±5%	1MHz	150mA	2.8ohm	35	1MHz	14MHz
LQH32MN220K23□	22μH±10%	1MHz	150mA	2.8ohm	35	1MHz	14MHz
LQH32MN270J23□	27μH±5%	1MHz	125mA	3.1ohm	35	1MHz	13MHz
LQH32MN270K23□	27μH±10%	1MHz	125mA	3.1ohm	35	1MHz	13MHz
LQH32MN330J23□	33μH±5%	1MHz	115mA	3.5ohm	40	1MHz	12MHz
LQH32MN330K23□	33μH±10%	1MHz	115mA	3.5ohm	40	1MHz	12MHz
LQH32MN390J23□	39μH±5%	1MHz	110mA	3.9ohm	40	1MHz	11MHz
LQH32MN390K23□	39μH±10%	1MHz	110mA	3.9ohm	40	1MHz	11MHz
LQH32MN470J23□	47μH±5%	1MHz	100mA	4.3ohm	40	1MHz	11MHz
LQH32MN470K23□	47μH±10%	1MHz	100mA	4.3ohm	40	1MHz	11MHz
LQH32MN560J23□	56μH±5%	1MHz	85mA	4.9ohm	40	1MHz	10MHz

Operating Temperature Range: -25°C to +85°C

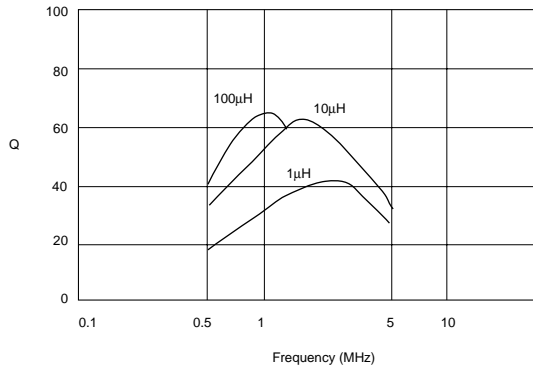
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Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQH32MN560K23□	56μH±10%	1MHz	85mA	4.9ohm	40	1MHz	10MHz
LQH32MN680J23□	68μH±5%	1MHz	80mA	5.5ohm	40	1MHz	9MHz
LQH32MN680K23□	68μH±10%	1MHz	80mA	5.5ohm	40	1MHz	9MHz
LQH32MN820J23□	82μH±5%	1MHz	70mA	6.2ohm	40	1MHz	8.5MHz
LQH32MN820K23□	82μH±10%	1MHz	70mA	6.2ohm	40	1MHz	8.5MHz
LQH32MN101J23□	100μH±5%	1MHz	80mA	7.0ohm	40	796kHz	8MHz
LQH32MN101K23□	100μH±10%	1MHz	80mA	7.0ohm	40	796kHz	8MHz
LQH32MN121J23□	120μH±5%	1MHz	75mA	8.0ohm	40	796kHz	7.5MHz
LQH32MN121K23□	120μH±10%	1MHz	75mA	8.0ohm	40	796kHz	7.5MHz
LQH32MN151J23□	150μH±5%	1MHz	70mA	9.3ohm	40	796kHz	7MHz
LQH32MN151K23□	150μH±10%	1MHz	70mA	9.3ohm	40	796kHz	7MHz
LQH32MN181J23□	180μH±5%	1MHz	65mA	10.2ohm	40	796kHz	6MHz
LQH32MN181K23□	180μH±10%	1MHz	65mA	10.2ohm	40	796kHz	6MHz
LQH32MN221J23□	220μH±5%	1MHz	65mA	11.8ohm	40	796kHz	5.5MHz
LQH32MN221K23□	220μH±10%	1MHz	65mA	11.8ohm	40	796kHz	5.5MHz
LQH32MN271J23□	270μH±5%	1MHz	65mA	12.5ohm	40	796kHz	5MHz
LQH32MN271K23□	270μH±10%	1MHz	65mA	12.5ohm	40	796kHz	5MHz
LQH32MN331J23□	330μH±5%	1MHz	65mA	13.0ohm	40	796kHz	5MHz
LQH32MN331K23□	330μH±10%	1MHz	65mA	13.0ohm	40	796kHz	5MHz
LQH32MN391J23□	390μH±5%	1MHz	50mA	22.0ohm	50	796kHz	5MHz
LQH32MN391K23□	390μH±10%	1MHz	50mA	22.0ohm	50	796kHz	5MHz
LQH32MN471J23□	470μH±5%	1kHz	45mA	25.0ohm	50	796kHz	5MHz
LQH32MN471K23□	470μH±10%	1kHz	45mA	25.0ohm	50	796kHz	5MHz
LQH32MN561J23□	560μH±5%	1kHz	40mA	28.0ohm	50	796kHz	5MHz
LQH32MN561K23□	560μH±10%	1kHz	40mA	28.0ohm	50	796kHz	5MHz

Operating Temperature Range: -25°C to +85°C

■ Q - Frequency Characteristics (Typ.)



■ Inductance - Current Characteristics (Typ.)

