

CHIP INDUCTORS SURFACE MOUNT CHIP INDUCTORS LQH1N/3N/4N SERIES



The chip coil LQH/LQN Series comprises subminiature chip inductors wound on a special ferrite core made possible by an automatic winding technique developed by Murata Electronics. These inductors have a high Q at high frequencies and low DC resistance, making them suited for enhancing the performance of electronic circuits in video, communications and audio equipment.

LQH1N

The sub-miniature dimensions (3.2 x 1.6 x 1.8mm) allow parallel mounting on 2.5mm centers. This series is suitable for

portable audio-visual equipment.

LQH3N

High Q value makes the series suitable for circuits up to 100MHz in frequency. This series is excellent for video equipment.

LQH(N)4N

This series is available with high inductance values and high current capacity. At 10 μ H, up to 450mA designs are possible, resulting in excellent performance when the series is used as a choke coil.

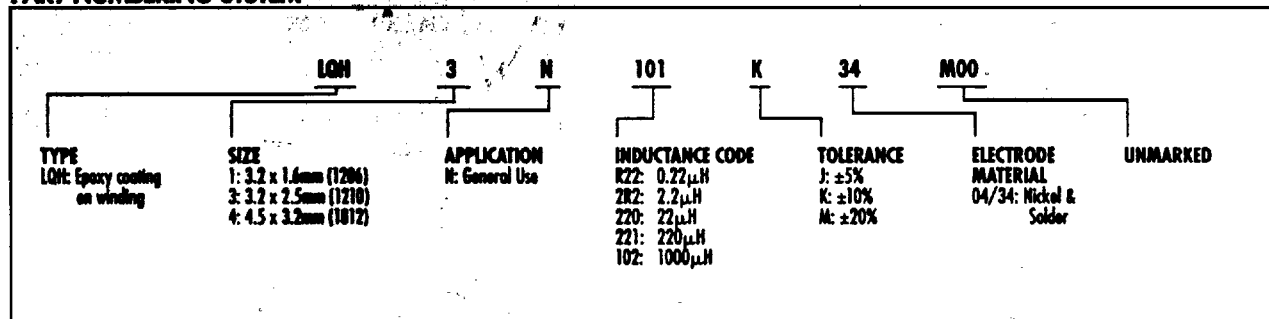
DIMENSIONS: mm

Part Number	Dimensions (mm)
LQH1N-1206	
LQH3N-1210	
LQH(N)4N-1812	

SPECIFICATIONS

Part Number	Nominal Value (μ H)	Inductance		Q		DC Resistance (Ω)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range
		Tolerance (%)	Measurement Frequency	Nominal Value (min.)	Measurement Frequency				
LQH1N-1206	0.15 - 100	$\pm 5 - \pm 20$	1 MHz	20 - 40	2.5MHz - 25MHz	0.39 \pm 40% - 12 \pm 30%	7.0 - 250	45 - 250	-25°C - +85°C
LQH3N-1210	0.10 - 560	$\pm 5 - \pm 20$	1 MHz - 1 kHz	20 - 50	25.2MHz - 796kHz	0.25 - 28.0	5.0 - 200	40 - 700	
LQH4N-1812	1.0 - 2200	$\pm 5 - \pm 20$	1 MHz - 1 kHz	20 - 40	1MHz - 796kHz	0.20 - 50.0	1.3 - 120	30 - 500	

PART NUMBERING SYSTEM



For more detailed information regarding this product line, see Catalog No. E-06-E. To receive additional information on Murata Products call 1-800-831-9172.