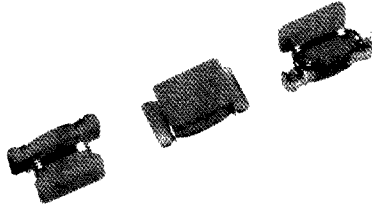


# SURFACE MOUNT INDUCTORS

## LQN1H Series

Chip coil LQN1H Series is a wire wound type chip coil which applies a high frequency ferrite core. Its high Q value at 30MHz ~ 150MHz and low DC resistance are suitable for high frequency resonator circuits use.



### APPLICATION

Voltage controlled oscillator, trap, filter circuit built-in mobile communication equipment, cordless phones, various radio equipment, FM radio tuners, TV tuners (VHF low), VIF circuits, etc.

### PART NUMBERING

<b>LQN</b>	<b>1</b>	<b>H</b>	<b>54N</b>	<b>K</b>	<b>04</b>	<b>M00</b>
<b>LQN:</b> Without Coating	<b>SIZE</b> 1: 3.2 x 1.6mm (1206)	<b>APPLICATION</b> H: High Frequency Application	<b>INDUCTANCE</b> 54N: 54nH	<b>TOLERANCE</b> K: ±10%	<b>ELECTRODE MATERIAL</b> 04: Nickel Alloy Metalization	<b>Marking</b> M00: Unmarked M01: Marked

### SPECIFICATIONS

Dimensions	Part Number	Inductance			Q			DC Resistance (Ω)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range
		Nominal Value (nH)	Tolerance (%)	Measurement Frequency	Peak Value (typ.)	Nominal Value (min.)	Measurement Frequency				
	*LQN1H54NK04	54	± 10	1MHz	65	50	100MHz	0.035 ± 30%	800	920	-25°C~+85°C
	*LQN1H95NK04	95			75	50		0.047 ± 30%	650	790	
	*LQN1HR14K04	145			80	50		0.061 ± 30%	500	700	
	*LQN1HR21K04	215			85	50		0.11 ± 30%	430	520	
	*LQN1HR29K04	290			85	50		0.17 ± 30%	360	420	
	*LQN1HR39K04	390			85	50		0.26 ± 30%	300	330	
	*LQN1HR50K04	500			85	50		0.44 ± 30%	270	260	
	*LQN1HR61K04	610			85	50		0.48 ± 30%	240	250	
	*LQN1HR75K04	750			85	50		0.79 ± 30%	220	190	
	*LQN1HR88K04	880			85	50		0.86 ± 30%	200	180	

\*Available as standard through authorized Murata Electronics Distributors.

### TYPICAL Q-FREQUENCY CHARACTERISTICS

