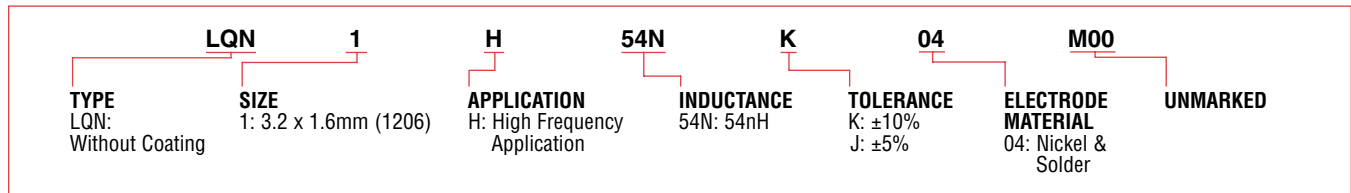


Chip coil LQN1H Series is a wire wound type chip coil using a high frequency ferrite core. Its high Q value at 30MHz ~ 150MHz and low DC resistance are suitable for high frequency resonator circuits use.

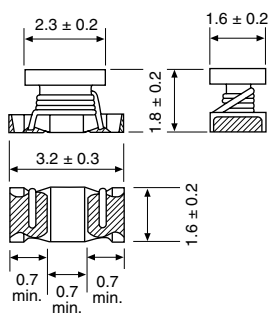
APPLICATIONS

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 SYSTEM



SPECIFICATIONS

Dimensions: mm	Part Number	Inductance			Q			DC Resistance (Ohms)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range		
		Nominal Value (nH)	Tolerance (%)	Measurement Frequency (MHz)	Peak Value Typ.	Nominal Value (min.)	Measurement Frequency (MHz)						
	*LQN1H54NK04	54	*±10 (±5)	1	65	50	100	0.035 ± 30%	800	920	-25°C ~ +85°C		
	*LQN1H95NK04	95			75				0.047 ± 30%	650		790	
	*LQN1HR14K(J)04	145			80				0.061 ± 30%	500		700	
	*LQN1HR21K(J)04	215							0.11 ± 30%	430		520	
	*LQN1HR29K(J)04	290							0.17 ± 30%	360		420	
	*LQN1HR39K(J)04	390							0.26 ± 30%	300		330	
	*LQN1HR50K(J)04	500						85	60	0.44 ± 30%		270	260
	*LQN1HR61K(J)04	610								0.48 ± 30%		240	250
	*LQN1HR75K(J)04	750								0.79 ± 30%		220	190
	*LQN1HR88K(J)04	880							90			0.86 ± 30%	200

*Available as standard through authorized Murata Electronics Distributors.

TYPICAL Q-FREQUENCY CHARACTERISTICS

