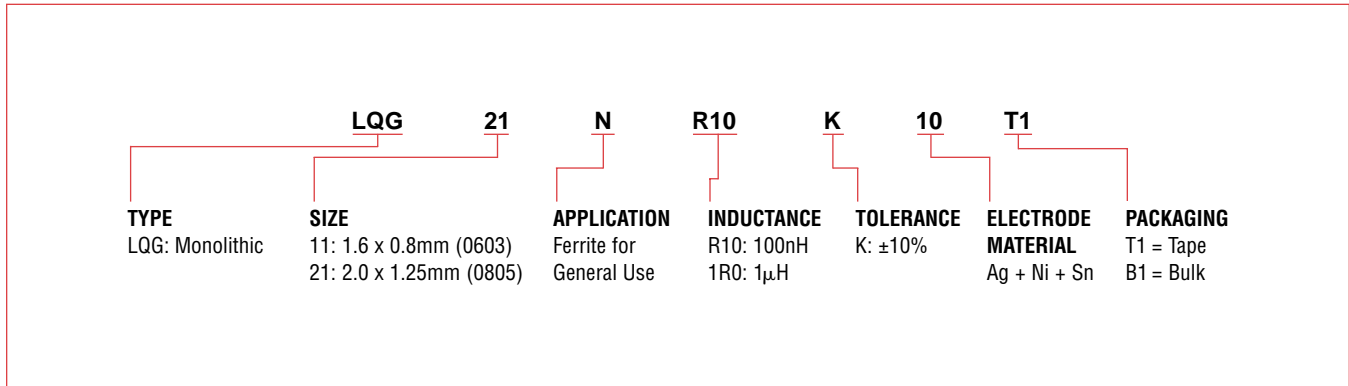


LQG11/21N Series



The LQG21N Series are magnetically shielded chip coils which were developed from Murata Electronics' multilayer process technology and magnetic materials. It is one-quarter the size of conventional chip coils and has high reliability.

PART NUMBERING SYSTEM



SPECIFICATIONS

Dimensions: mm	Part Number	Inductance		Q		DC Resistance (Ohms max.)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range
		Nominal Value (nH)	Tolerance (%)	Nominal Value (min.)	Test Frequency (MHz)				
0603 	NEW ★LQG11N47NM00	47	±20	10	50	0.30	260	50	-25°C ~ +85°C
	★LQG11N68NM00	68					250		
	★LQG11N82NM00	82					245		
	★LQG11NR10K00	100	±10	15	25	0.50	240		
	★LQG11NR12K00	120				205			
	★LQG11NR15K00	150				0.60	180		
	★LQG11NR18K00	180				165			
	★LQG11NR22K00	220				0.80	150		
	★LQG11NR27K00	270				136			
	★LQG11NR33K00	330				0.85	125		
	★LQG11NR39K00	390				1.00	110		
	★LQG11NR47K00	470				1.35	105		
	★LQG11NR56K00	560				1.55	95		
	★LQG11NR68K00	680	1.70	90					
	★LQG11NR82K00	820	2.10	85					
	★LQG11N1R0K00	1000	±10	35	10	0.60	75	25	
	★LQG11N1R2K00	1200				0.80	65		
	★LQG11N1R5K00	1500				60			
	★LQG11N1R8K00	1800				0.95	55		
	★LQG11N2R2K00	2200				1.15	50		15

★Available as standard through authorized Murata Electronics Distributors.

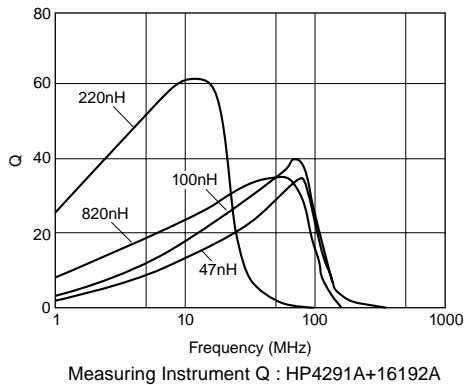
SPECIFICATIONS

Dimensions: mm	Part Number	Inductance			Q		DC Resistance (Ohms max.)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range									
		Nominal Value (μH)	Tolerance (%)	Measurement Frequency (MHz)	Nominal Value (min.)	Measurement Frequency (MHz)													
	*LQG21NR10K10	0.10	±10	25	20	25	0.26	340	250	-25°C ~ +85°C									
	*LQG21NR12K10	0.12																	
	*LQG21NR15K10	0.15																	
	*LQG21NR18K10	0.18																	
	*LQG21NR22K10	0.22																	
	*LQG21NR27K10	0.27																	
	*LQG21NR33K10	0.33																	
	*LQG21NR39K10	0.39																	
	*LQG21NR47K10	0.47																	
	*LQG21NR56K10	0.56																	
	*LQG21NR68K10	0.68																	
	*LQG21NR82K10	0.82																	
	*LQG21N1R0K10	1.0																	
	*LQG21N1R2K10	1.2																	
	*LQG21N1R5K10	1.5																	
	*LQG21N1R8K10	1.8																	
	*LQG21N2R2K10	2.2																	
	*LQG21N2R7K10	2.7																	
	*LQG21N3R3K10	3.3																	
	*LQG21N3R9K10	3.9																	
	*LQG21N4R7K10	4.7																	
	<table border="1"> <tr> <th>Part Number</th> <th>H</th> </tr> <tr> <td>LQG21NR10~2R2</td> <td>0.85 ± 0.2</td> </tr> <tr> <td>LQG21N2R7~4R7</td> <td>1.25 ± 0.2</td> </tr> </table>				Part Number	H	LQG21NR10~2R2	0.85 ± 0.2	LQG21N2R7~4R7		1.25 ± 0.2								
	Part Number	H																	
	LQG21NR10~2R2	0.85 ± 0.2																	
	LQG21N2R7~4R7	1.25 ± 0.2																	
					25		0.53	165	200										
					25		0.57	150											
							0.63	140											
							0.72	125	150										
							0.81	115											
							0.40	107											
							0.47	97	50										
							0.50	87											
							0.57	80											
					10	45	10	0.63	71										
							0.69	66											
							0.80	59	30										
							0.89	53											
							1.00	47											

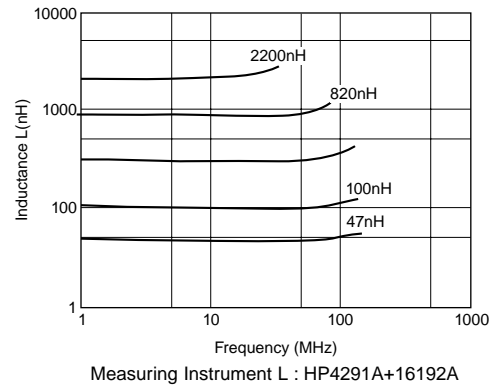
*Available as standard through authorized Murata Electronics Distributors.

TYPICAL ELECTRICAL CHARACTERISTICS

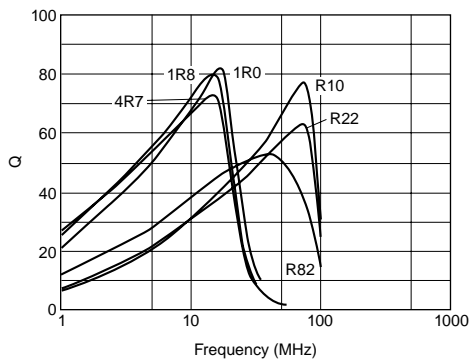
LQG11N Q-FREQUENCY CHARACTERISTICS



LQG11N INDUCTANCE-FREQUENCY CHARACTERISTICS



LQG21N Q-FREQUENCY CHARACTERISTICS



LQG21N INDUCTANCE-CURRENT CHARACTERISTICS

