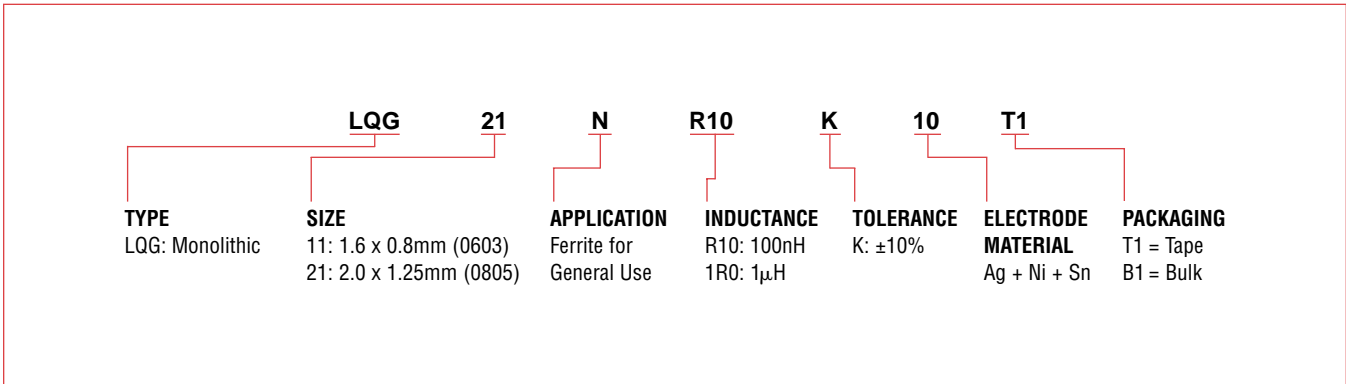




The LQG21N Series are magnetically shielded chip coils which were developed from Murata Electronics' multilayer process technology and magnetic materials. It is one-quarter the size of conventional chip coils and has high reliability.

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	35	
	★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					110		
	★LQG11NR47K00	470				1.00	105		
	★LQG11NR56K00	560					95		
	★LQG11NR68K00	680	1.55	90					
	★LQG11NR82K00	820		85					
	★LQG11N1R0K00	1000	±10	35	10	0.60	75	25	
	★LQG11N1R2K00	1200					0.80		
	★LQG11N1R5K00	1500				0.95			
	★LQG11N1R8K00	1800					1.15		
	★LQG11N2R2K00	2200				50			

★Available as standard through authorized Murata Electronics Distributors.

SPECIFICATIONS

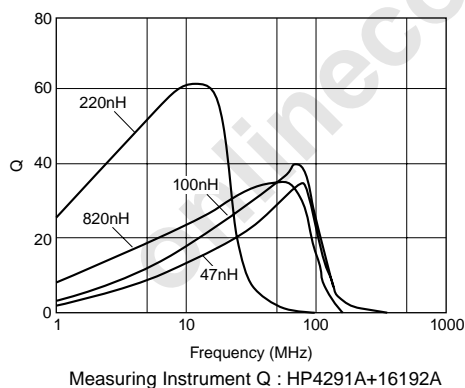
Dimensions: mm	Part Number	Inductance			Q		DC Resistance (Ohms max.)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range								
		Nominal Value (μ H)	Tolerance (%)	Measurement Frequency (MHz)	Nominal Value (min.)	Measurement Frequency (MHz)												
	*LQG21NR10K10	0.10	±10	25	20	25	0.26	340	250	-25°C ~ +85°C								
	*LQG21NR12K10	0.12					20	25			0.29	310						
	*LQG21NR15K10	0.15									25	20	0.32	270				
	*LQG21NR18K10	0.18											25	25	0.35	250		
	*LQG21NR22K10	0.22													20	25	0.38	220
	*LQG21NR27K10	0.27															25	20
	*LQG21NR33K10	0.33			25	25			0.48									
	*LQG21NR39K10	0.39					10	45	10									
	*LQG21NR47K10	0.47									20	25						
	*LQG21NR56K10	0.56											25	20				
	*LQG21NR68K10	0.68													25	25		
	*LQG21NR82K10	0.82															10	45
	*LQG21N1R0K10	1.0		20	25	0.40												
	*LQG21N1R2K10	1.2				25	20	0.47	97									
	*LQG21N1R5K10	1.5						25	25		0.50	87						
	*LQG21N1R8K10	1.8									10	45	10	0.57				
	*LQG21N2R2K10	2.2												20	25	0.63		
	*LQG21N2R7K10	2.7														25	20	0.69
	*LQG21N3R3K10	3.3		25	25													0.80
	*LQG21N3R9K10	3.9				10	45											10
	*LQG21N4R7K10	4.7						20	25									

Part Number	H
LQG21NR10~2R2	0.85 ± 0.2
LQG21N2R7~4R7	1.25 ± 0.2

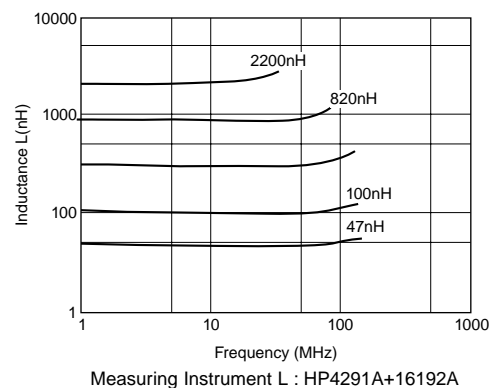
*Available as standard through authorized Murata Electronics Distributors.

TYPICAL ELECTRICAL CHARACTERISTICS

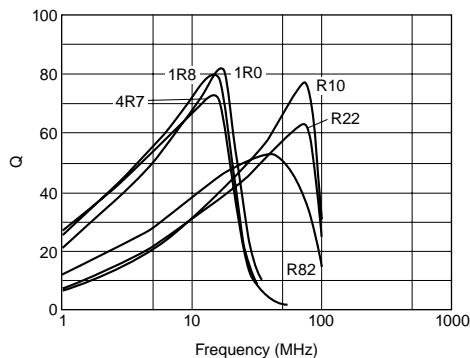
LQG11N Q-FREQUENCY CHARACTERISTICS



LQG11N INDUCTANCE-FREQUENCY CHARACTERISTICS



LQG21N Q-FREQUENCY CHARACTERISTICS



LQG21N INDUCTANCE-CURRENT CHARACTERISTICS

