



The LQG21C Series is a magnetically shielded chip coil developed with Murata's expertise in multilayer process technology and magnetic materials. With less than half the DC resistance of our conventional monolithic chip coils, it still achieves high inductance values.

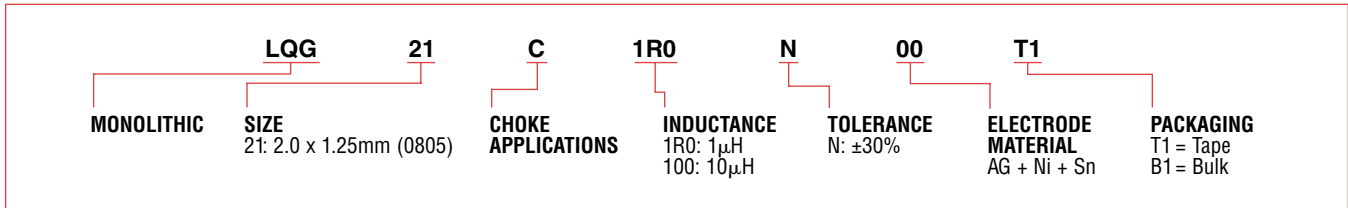
FEATURES

- The inductor has ultra low DC resistance.
- This series covers an inductance range from 1.0 μ H to 47 μ H.
- Magnetically shielded construction provides excellent crosstalk characteristics.
- Compact (2.0mm x 1.25mm) and light weight
- Low inductance drift during soldering, environmental tests, etc.
- Outstanding solder heat resistance. Either flow or reflow soldering

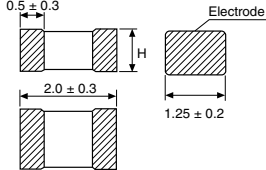
APPLICATIONS

- Low current power line (for choke use)

PART NUMBERING SYSTEM



SPECIFICATIONS

Dimensions: mm	Part Number	Nominal Value (μ H)	Inductance		DC Resistance (Ohms max.)	Self-resonant Frequency		Allowable Current (mA)	Operating Temp. Range						
			Tolerance	Measurement Frequency (MHz)		Typical (MHz)	Minimum (MHz)								
0805  <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Part Number</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>LQG21C1R0N~100N</td> <td>0.85 ± 0.2</td> </tr> <tr> <td>LQG21C220N~470N</td> <td>1.25 ± 0.2</td> </tr> </tbody> </table>	Part Number	H	LQG21C1R0N~100N	0.85 ± 0.2	LQG21C220N~470N	1.25 ± 0.2	*LQG21C1R0N00	1.0	±30%	1	0.10	150	75	60	-40°C ~ +85°C
	Part Number	H													
	LQG21C1R0N~100N	0.85 ± 0.2													
	LQG21C220N~470N	1.25 ± 0.2													
	*LQG21C2R2N00	2.2	0.17	100	50	40									
	*LQG21C4R7N00	4.7	0.30	70	35	30									
	*LQG21C100N00	10	0.50	45	24	15									
*LQG21C220N00	22	0.65	20	16	13										
*LQG21C470N00	47	1.20	—	7.5	7										

*Available as standard through authorized Murata Electronics Distributors.

TYPICAL IMPEDANCE FREQUENCY CHARACTERISTICS

