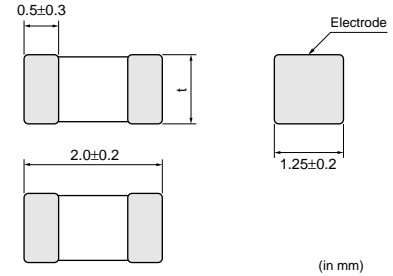


LQM21F_00 Series

The LQM21F series consists of magnetically shielded chip coils based on Murata's technologies of multilayer process and magnetic materials. Excellent direct current characteristics are realized by using magnetic materials which have excellent saturation characteristics. The inductance of LQM21F is four times as large as that of conventional items.



LQM21F_00

Dimension of t	Inductance : 1.0 to 2.2μH	0.85±0.2
	Inductance : 4.7 to 47μH	1.25±0.2

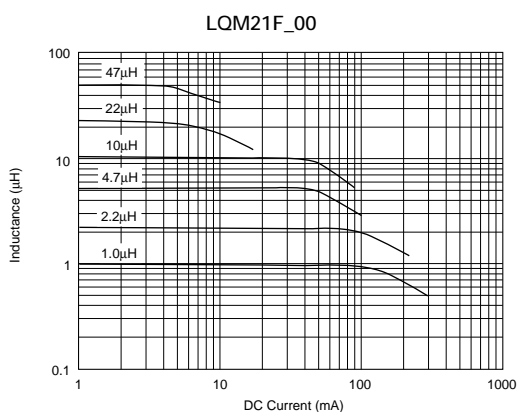
■ Features

1. LQM21F series is suitable for power line choke because of its excellent direct current characteristics. The series has larger rated current (60mA at 10 micro H) than conventional rated current.
2. Low DC resistance is realized.
3. The cross talk characteristics are excellent because of the use of magnetically shielded structure.
4. Small size (2.0x1.25mm) and light weight
5. The series has excellent solder heat resistance. Both flow and reflow soldering can be employed.

Part Number	Inductance (μH)	Test Frequency (MHz)	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (min.) (MHz)	EIA
LQM21FN1R0N00	1.0 ±30%	1	220	0.20 ±30%	105	0805
LQM21FN2R2N00	2.2 ±30%	1	150	0.28 ±30%	70	0805
LQM21FN4R7N00	4.7 ±30%	1	80	0.30 ±30%	25	0805
LQM21FN100N00	10 ±30%	1	60	0.50 ±30%	15	0805
LQM21FN220N00	22 ±30%	1	13	0.35 ±30%	15	0805
LQM21FN470N00	47 ±30%	1	7	0.60 ±30%	7.5	0805

Operating Temp. Range : -40°C to +85°C

■ Inductance-Current Characteristics



■ Impedance-Frequency Characteristics

