

## MULTILAYER HIGH CURRENT CHIP INDUCTORS / CL(C) TYPE

### FEATURES

- ◆ High mounting density of compact circuit due to crosstalk elimination that results from a closed magnetic flux in a ferrite material
- ◆ Suitable for flow and re-flow soldering
- ◆ Available in 3 sizes

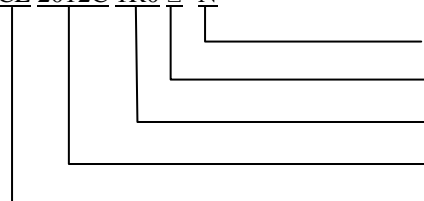


### APPLICATIONS

- ◆ Personal computers, HDDs, or other various electronic appliances.
- ◆ Any general circuit of portable equipment in which compact size and high mounting densities are required.

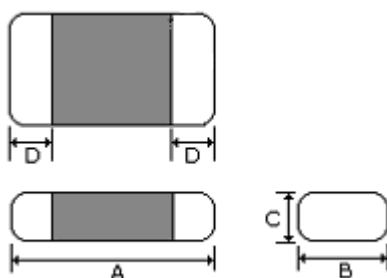
### ORDERING CODE

CL 2012C 1R0 □- N



Note: lead-free  
Tolerance (K:±10%, M:±20%)  
Inductance  
Dimension (AxB)  
Product Symbol

### SHAPES



**DIMENSIONS UNIT: mm (inch)**

Part No.	Dimensions			
	A	B	C	D
CL 2012C (0805)	2.00 ± 0.20	1.25 ± 0.20	1.0 (Max)	0.7 (Max)
CL 2016C (0806)	2.00 ± 0.20	1.60 ± 0.20	1.0 (Max)	0.7 (Max)
CL 2520C (1008)	2.50 ± 0.20	2.00 ± 0.20	1.0 (Max)	0.8 (Max)

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### ELECTRICAL CHARACTERISTICS FOR CL2012C

Part No.	Inductance (uH)	Test Freq. (MHz)	Self Resonant FREQ. (MHz) Min	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
CL2012C-R47M-N	0.47	1MHz / 250mV	100	0.125	1100
CL2012C-R68M-N	0.68	1MHz / 250mV	100	0.150	1000
CL2012C-R82M-N	0.82	1MHz / 250mV	90	0.175	900
CL2012C-1R0M-N	1.00	1MHz / 250mV	90	0.200	800
CL2012C-1R2M-N	1.20	1MHz / 250mV	80	0.200	800
CL2012C-1R5M-N	1.50	1MHz / 250mV	70	0.275	700
CL2012C-1R8M-N	1.80	1MHz / 250mV	60	0.275	700
CL2012C-2R2M-N	2.20	1MHz / 250mV	50	0.313	600
CL2012C-3R3M-N	3.30	1MHz / 250mV	40	0.338	500
CL2012C-4R7M-N	4.70	1MHz / 250mV	30	0.375	500

### ELECTRICAL CHARACTERISTICS FOR CL2016C

Part No.	Inductance (uH)	Test Freq. (MHz)	Self Resonant FREQ. (MHz) Min	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
CL2016C -R47M-N	0.47	1MHz / 250mV	100	0.182	1500
CL2016C -R68M-N	0.68	1MHz / 250mV	90	0.195	1500
CL2016C -R82M-N	0.82	1MHz / 250mV	80	0.208	1500
CL2016C -1R0M-N	1.00	1MHz / 250mV	60	0.208	1400
CL2016C -1R2M-N	1.20	1MHz / 250mV	60	0.208	1400
CL2016C -1R5M-N	1.50	1MHz / 250mV	50	0.260	1200
CL2016C -1R8M-N	1.80	1MHz / 250mV	50	0.260	1200
CL2016C -2R2M-N	2.20	1MHz / 250mV	40	0.286	1200
CL2016C -3R3M-N	3.30	1MHz / 250mV	30	0.312	1100
CL2016C -3R9M-N	3.90	1MHz / 250mV	30	0.364	1100
CL2016C -4R7M-N	4.70	1MHz / 250mV	20	0.390	1100

**CORE MASTER ENTERPRISE CO., LTD.**



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## MULTILAYER HIGH CURRENT CHIP INDUCTORS / CL(C) TYPE

### ELECTRICAL CHARACTERISTICS FOR CL2520C

Part No.	Inductance (uH)	Test Freq. (MHz)	Self Resonant FREQ. (MHz) Min	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
CL2520C-R47M-N	0.47	1MHz / 250mV	100	0.088	1800
CL2520C-R68M-N	0.68	1MHz / 250mV	90	0.113	1700
CL2520C-R82M-N	0.82	1MHz / 250mV	80	0.125	1700
CL2520C-1R0M-N	1.00	1MHz / 250mV	60	0.138	1600
CL2520C-1R2M-N	1.20	1MHz / 250mV	60	0.138	1600
CL2520C-1R5M-N	1.50	1MHz / 250mV	50	0.163	1500
CL2520C-1R8M-N	1.80	1MHz / 250mV	50	0.163	1500
CL2520C-2R2M-N	2.20	1MHz / 250mV	40	0.213	1300
CL2520C-3R3M-N	3.30	1MHz / 250mV	30	0.225	1200
CL2520C-4R7M-N	4.70	1MHz / 250mV	25	0.250	1100
CL2520C-6R8M-N	6.80	1MHz / 250mV	25	0.260	1000

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