

Common Mode Power Inductors—CLCM—0904 Series



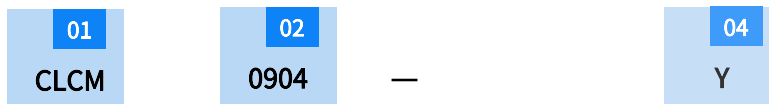
FEATURES

- Operating temperature range covers from -40 to $+105^{\circ}\text{C}$.
- Non-dissolution of the abutment amounts in circuit board mounting.
- The products contain no lead and also support lead-free soldering.
- This product conforms to the standards that are slated to be introduced under the RoHS Directive.

APPLICATIONS

- Video recorders, OA equipment, LCD computer, GPS, Notebook computer, DC - DC converters, etc

PRODUCT IDENTIFICATION



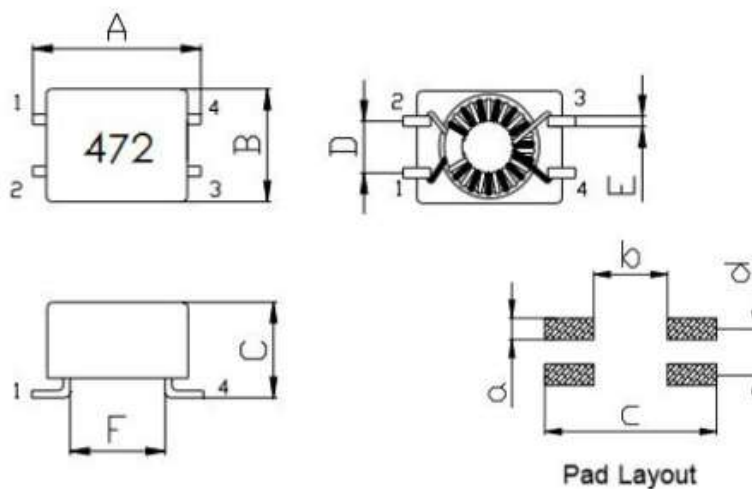
01 Type	
CLCM	Common Mode Inductor

02 External Dimensions (LxW)(mm)	
0904	9.5x 5.9

03 Nominal Inductance	
Example	Nominal value
100	10uH
101	100uH
102	1000uH

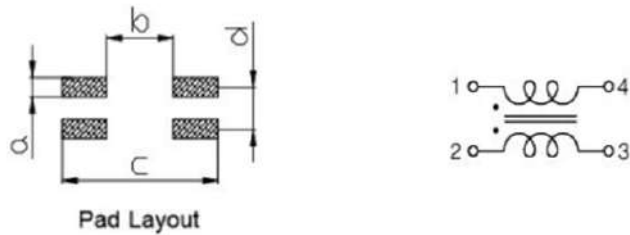
04 Tolerance	
M	$\pm 20\%$
N	$\pm 30\%$
Y	$\pm 50\%$

SHAPE AND DIMENSIONS



Part Number	Dimensions(mm)					
	A Max	B Max	C Max	D	E	F
CLCM-0904	9.5	5.9	5.2	2.54Typ	0.50Typ	5.5Typ

RECOMMENDED PC BOARD PATTERN



Part Number	Dimensions(mm)			
	a	b	c	d
CLCM-0904	1.0Typ	4.5Typ	10.5Typ	2.54Typ

SPECIFICATIONS

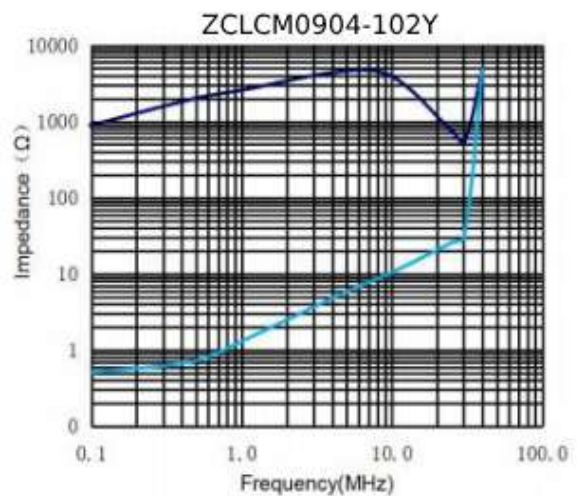
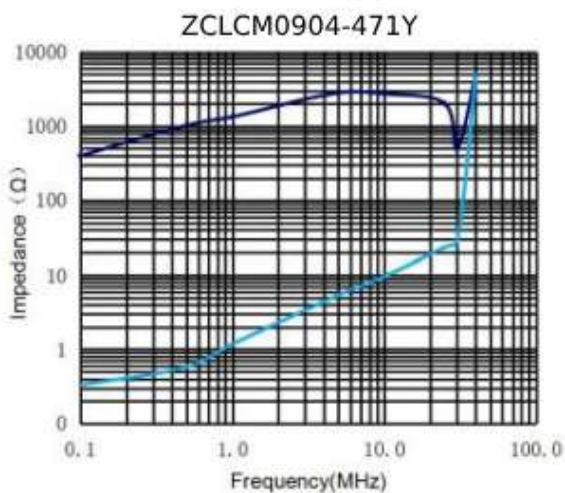
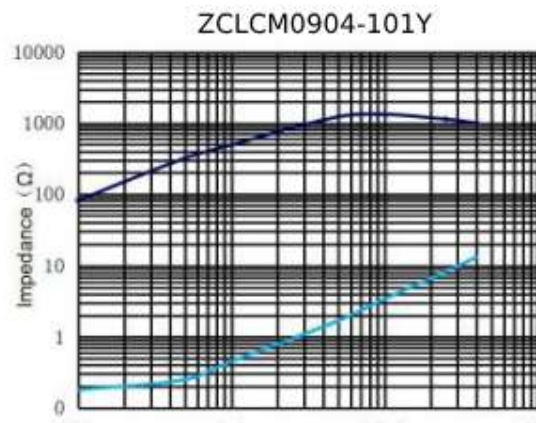
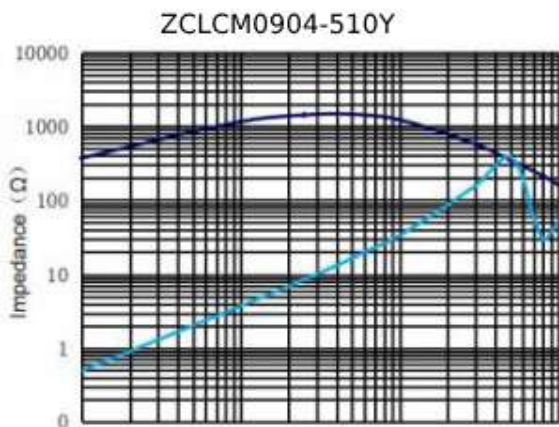
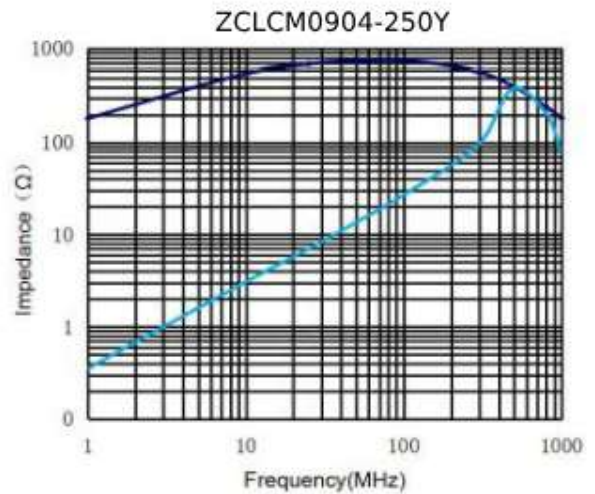
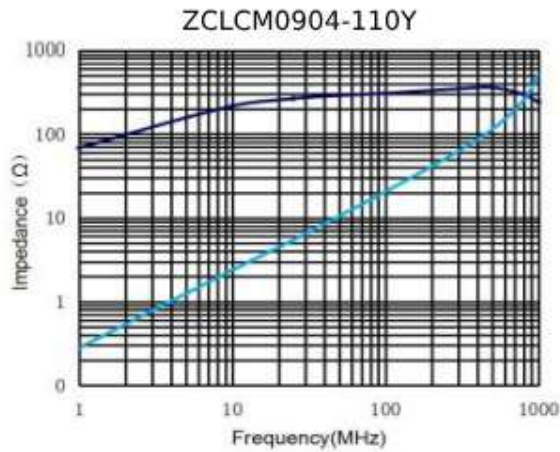
● CLCM0904 TYPE

Part Number	Inductance L1=L2 (uh)	Test Frequency (KHz/V)	DCR N1 N2 Max(Ω)	Rated Current Max (A)	Impedance(Q)Min	Frequency Range (MHz)	Rate Volt(Vdc) Max	IR (Q) Min
CLCM-0904-6R0Y	6uh +50%/-30%	1.0/0.1V	0.1	2.5	300	20-300	50	10M
CLCM-0904-110Y	11uh +50%/-30%	1.0/0.1V	0.12	0.5	160	20-300	50	10M
CLCM-0904-250Y	25uh +50%/-30%	1.0/0.1V	0.20	0.5	450	20-150	50	10M
CLCM-0904-510Y	51uh +50%/-30%	1.0/0.1V	0.30	0.5	800	20-100	50	10M
CLCM-0904-101Y	100uh +50%	1.0/0.1V	0.10	0.5	600	3-20	50	10M
CLCM-0904-471Y	470uh +50%	1.0/0.1V	0.28	0.5	1200	2-15	50	10M
CLCM-0904-102Y	1000uh +50%	1.0/0.1V	0.30	0.5	1500	1-10	50	10M
CLCM-0904-222Y	2200uh +50%	1.0/0.1V	0.40	0.5	3000	0.8-5	50	10M
CLCM-0904-272Y	2700uh +50%	1.0/0.1V	0.28	0.4	1500	0.8-5	50	10M
CLCM-0904-472Y	4700uh +50%	1.0/0.1V	0.70	0.2	5000	0.5-3	50	10M

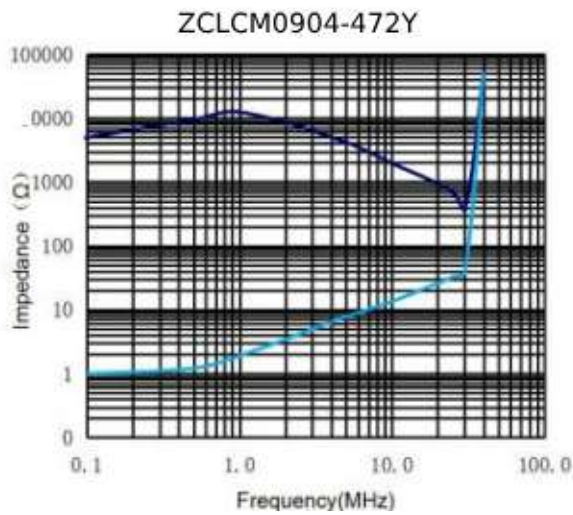
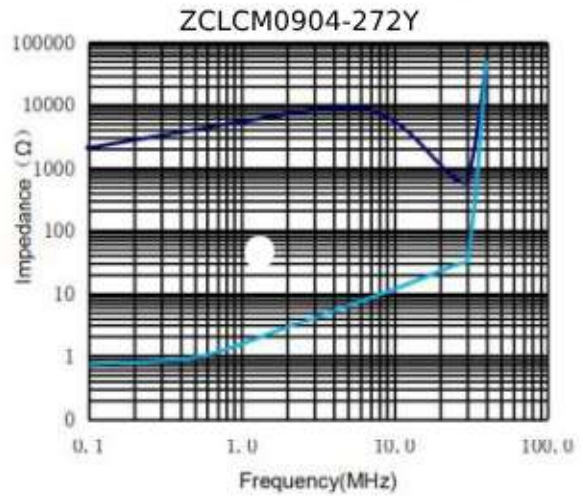
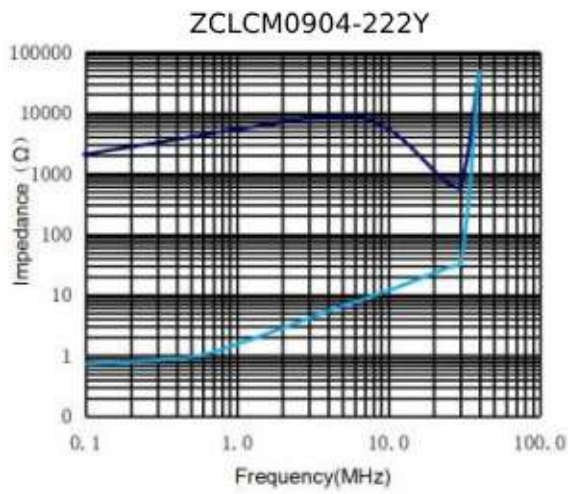


DETAIL ELECTRICAL CHARACTERISTICS

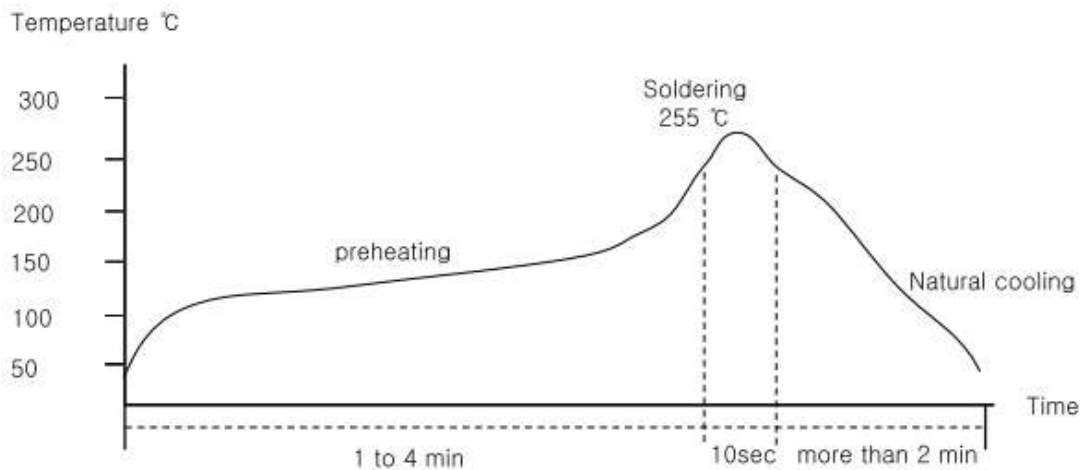
- CLCM0904



DETAIL ELECTRICAL CHARACTERISTICS



RELIABILITY TEST



PACKAGING STYLE

