

Common Mode Power Inductors-CLCM-0905 Series



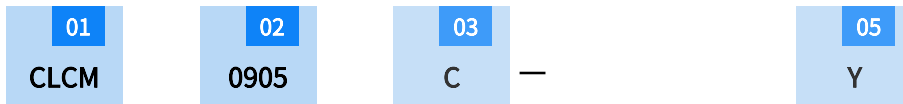
FEATURES

- Operating temperature range covers from -40 to +105°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	
ZCLCM	Common Mode Inductor

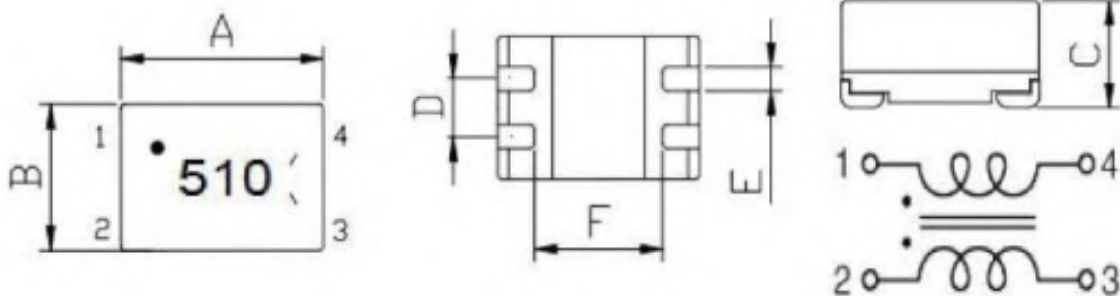
02 External Dimensions (LxW)(mm)	
0905	9.5x 6.0

03 Performance Code	
C	

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

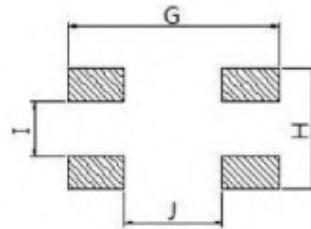
05 Tolerance	
M	±20%
N	±30%
Y	±50%

SHAPE AND DIMENSIONS



Part Number	Dimensions(mm)					
	A	B	C	D	E	F
CLCM-0905	9.2±0.3	6.0±0.3	5.0±0.3	2.54±0.2	1.0±0.1	5.7Typ

RECOMMENDED PC BOARD PATTERN



Pad Layout

Part Number	Dimensions(mm)			
	G	H	I	J
CLCM-0905	9.5Typ	3.74Typ	1.34Typ	5.5Typ

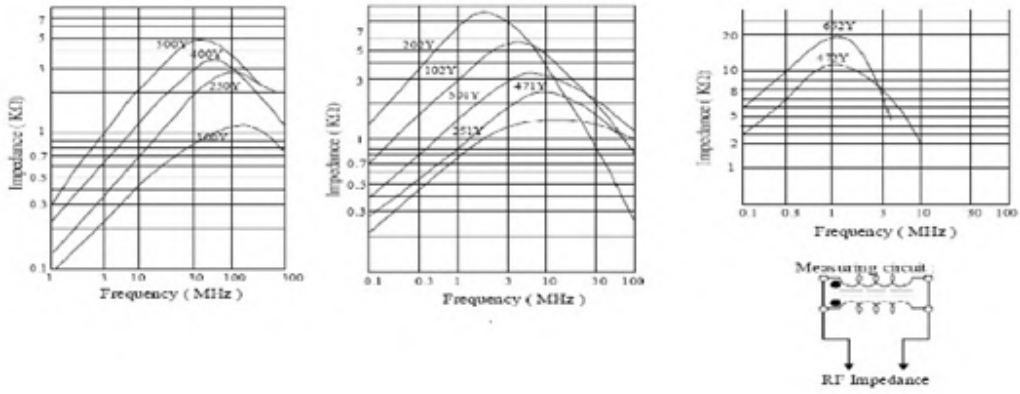
SPECIFICATIONS

● ZCLCM0905 TYPE

Part Number	Inductance L1=L2 (uh)	Test Frequency (KHz/V)	DCR N1 N2 Max(Ω)	Rated Current Max (A)	Impedance(Q)Min	Frequency Rang (MHz)	Rate Volt(Vdc) Max	IR (Q) Min
ZCLCM-0905C-100Y	10uh +50%/-30%	1.0/0.1V	0.08	1.6	300	20-200	50	10
ZCLCM-0905C-250Y	25uh +50%/-30%	1.0/0.1V	0.16	1.0	600	5-100	50	10
ZCLCM-0905C-400Y	40uh +50%/-30%	1.0/0.1V	0.25	0.9	800	5-100	50	10
ZCLCM-0905C-510Y	51uh +50%/-30%	1.0/0.1V	0.32	0.8	1000	5-50	50	10
ZCLCM-0905C-251Y	250uh +50%	1.0/5mV	0.13	1.2	600	5-50	50	10
ZCLCM-0905C-471Y	470uh +50%	1.0/5mV	0.14	1.1	800	1-50	50	10
ZCLCM-0905C-501Y	500uh +50%	1.0/5mV	0.15	1.0	900	1-40	50	10
ZCLCM-0905C-102Y	1000uh +50%	1.0/5mV	0.31	0.8	1000	1-30	50	10
ZCLCM-0905C-202Y	2000uh +50%	1.0/5mV	0.42	0.6	3000	1-10	50	10
ZCLCM-0905C-472Y	4700uh +50%	1.0/5mV	0.90	0.4	3000	0.5-5	50	10
ZCLCM-0905C-652Y	6500uh +50%	1.0/5mV	1.05	0.3	4000	0.3-2	50	10

DETAIL ELECTRICAL CHARACTERISTICS

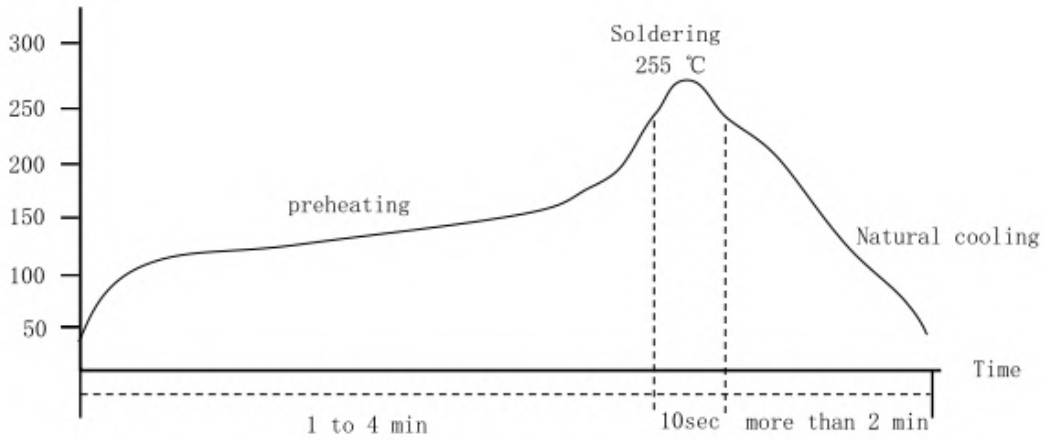
- ZCLCM0905



RELIABILITY TEST

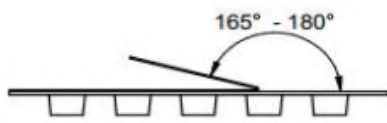
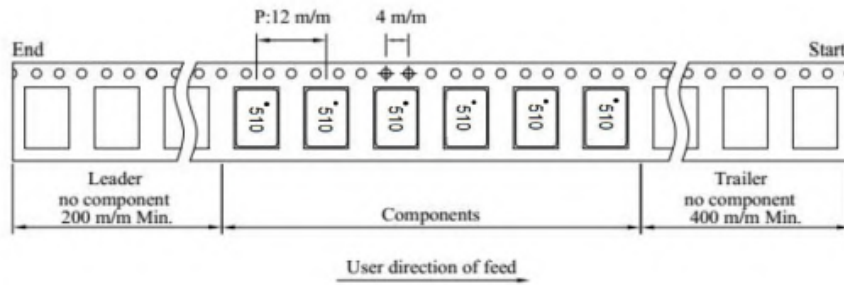
IR Reflow profile

Temperature °C

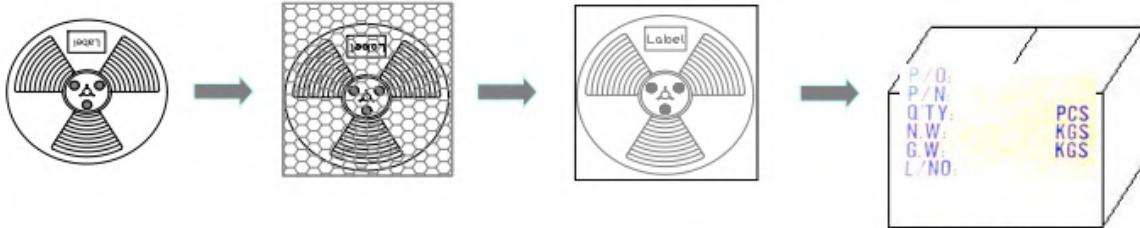


Temperature and humidity . After that , no mechanical and electrical defect should be found .

PACKAGING STYLE



Tape width	Distance	Pull-of force
16 mm	12 mm	10~120g



Reel : 13'
QTY : 1000PCS/

PE
QTY : 3000PCS/

Inner Box
QTY : 3000PCS/

Outer Box
QTY: 15000PCS/