

# CLCM-0904 Series Common Mode Inductor



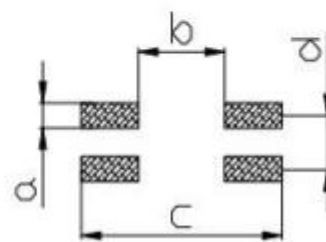
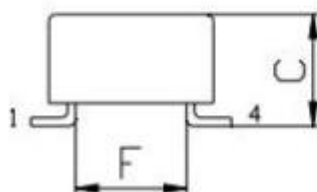
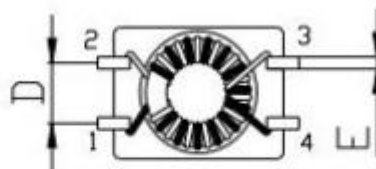
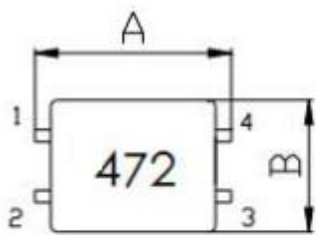
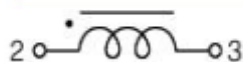
## FEATURES

- 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

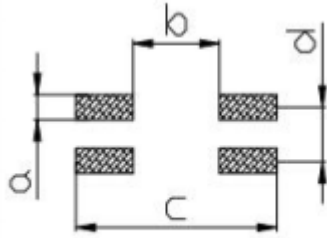
## SHAPE AND DIMENSIONS



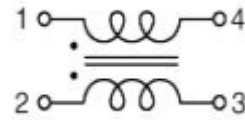
Pad Layout

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

### RECOMMENDED PC BOARD PATTERN



Pad Layout



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

### PRODUCT IDENTIFICATION

CLCM 0904 - 101 Y

①      ②      ③      ④

- ① Series name
- ② Dimensions L\*W\*H
- ③ Inductance: 100-10uH    101-100uH    102-1000uH
- ④ Tolerance: K: ±10%    M: ±20%    N: ±30%    Y:50%

## SPECIFICATIONS

### ● CLCM-0904 TYPE

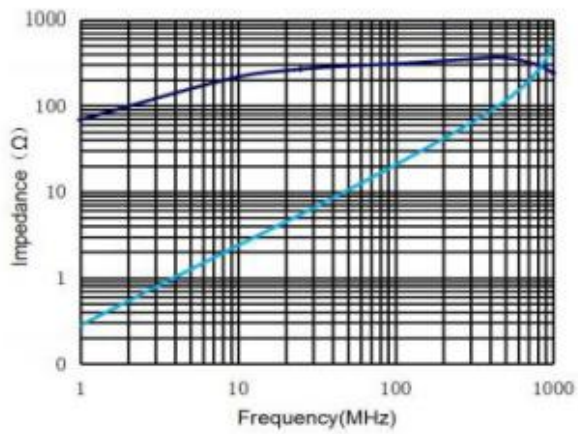
Part Number	Inductance L1=L2 (uh)	Test Frequency (KHz/V)	DCR N1 N2 Max( $\Omega$ )	Rated Current Max (A)	Impedance(Q)Min	FrequencyRang (MHz)	Rate Volt(Vdc)Max	IR (Q) Min
CLCM-0904-6R0Y	6uh +50%/-30%	1.0/0.1V	0.1	2.5	300	20-300	50	10M
CLCM-0904-110Y	11uh +50%/-30%	1.0/0.1V	0.12	0.5	160	20-300	50	10M
CLCM-0904-250Y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

**Note:** When ordering, please specify tolerance code. Tolerance: M:  $\pm 20\%$ 、N:  $\pm 30\%$ ;

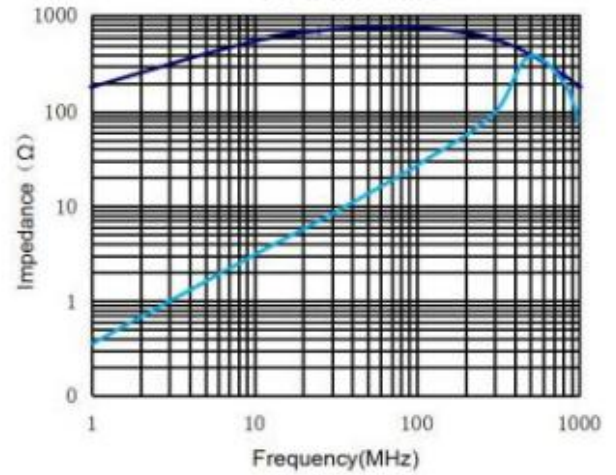
1. Operating temperature range -40 -125°C
2. Isat for inductance drop 30% from its value without current

## ● Impedance VS Frequency

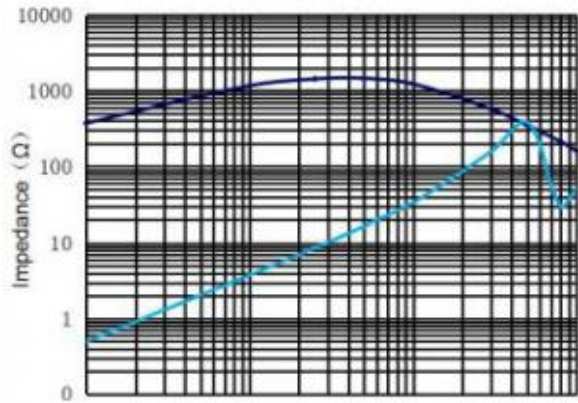
SCMF0904-110Y



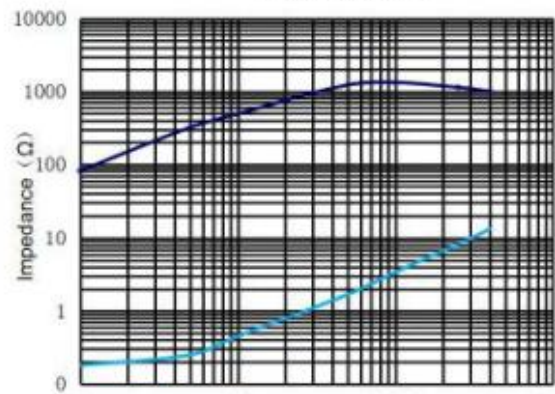
SCMF0904-250Y



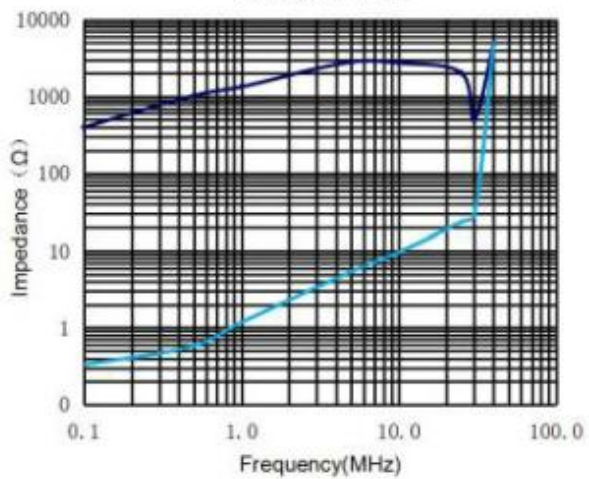
SCMF0904-510Y



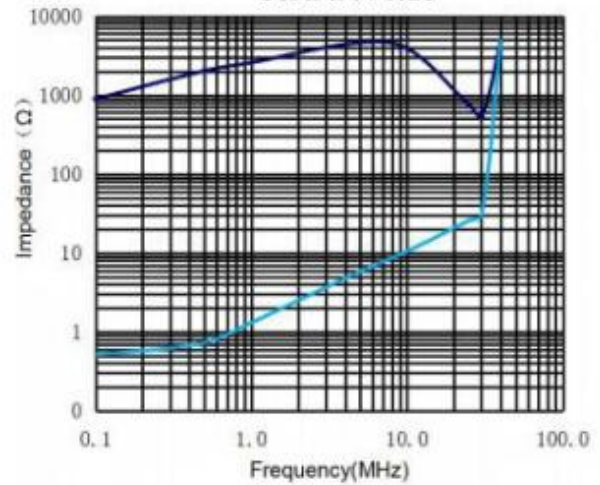
SCMF0904-101Y



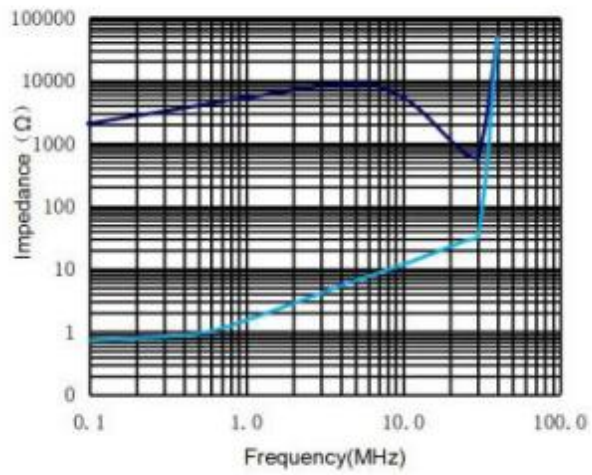
SCMF0904-471Y



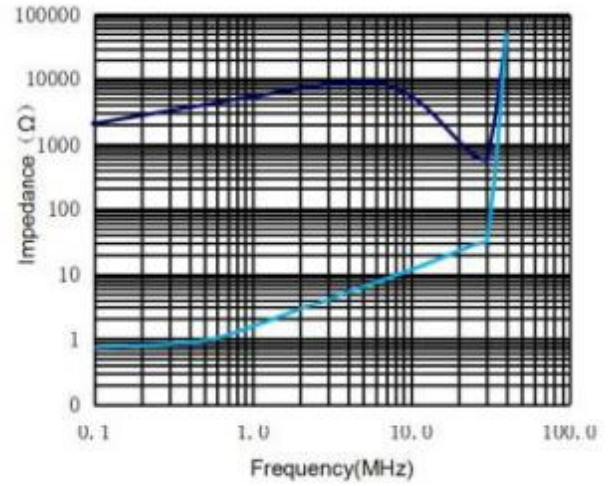
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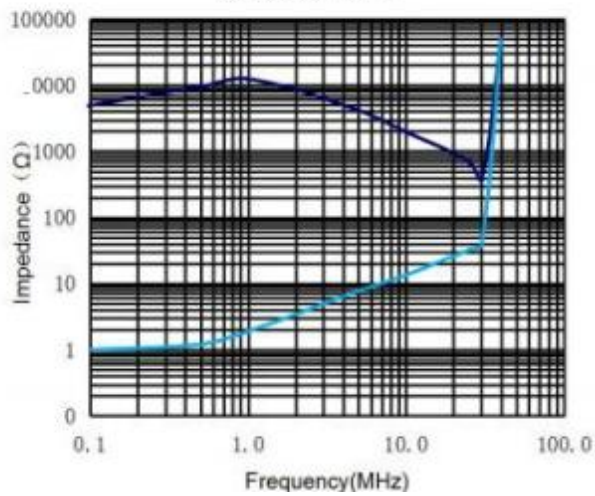
SCMF0904-222Y



SCMF0904-272Y

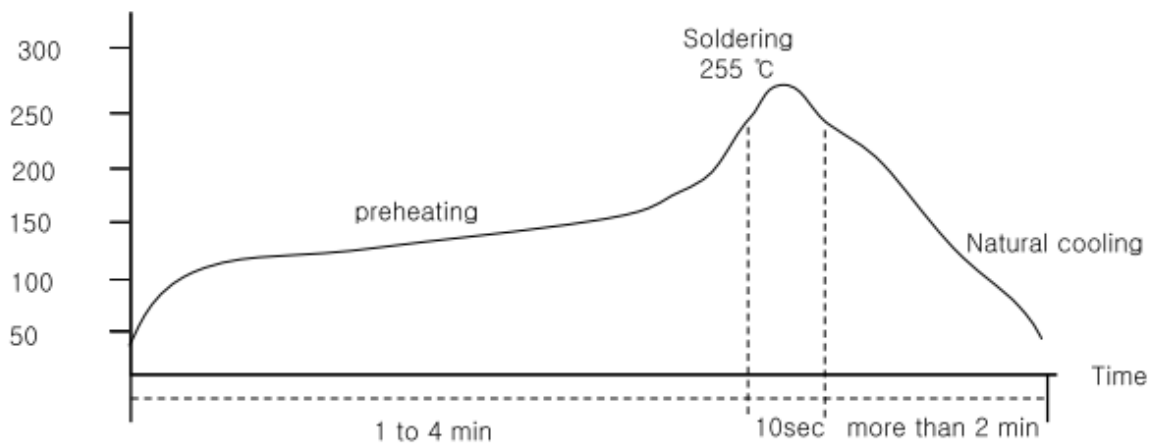


SCMF0904-472Y



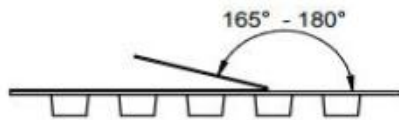
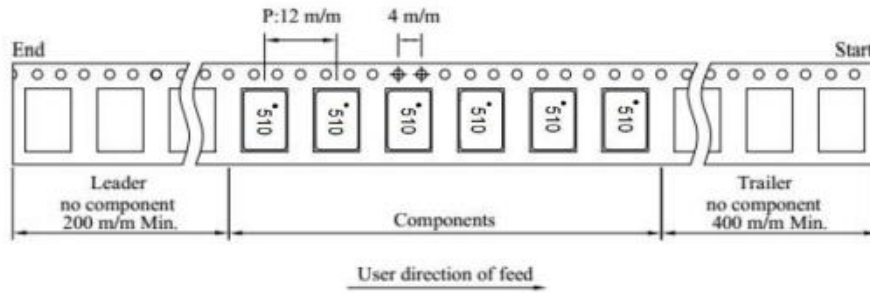
## ● Reliability Test

Temperature  $^{\circ}\text{C}$

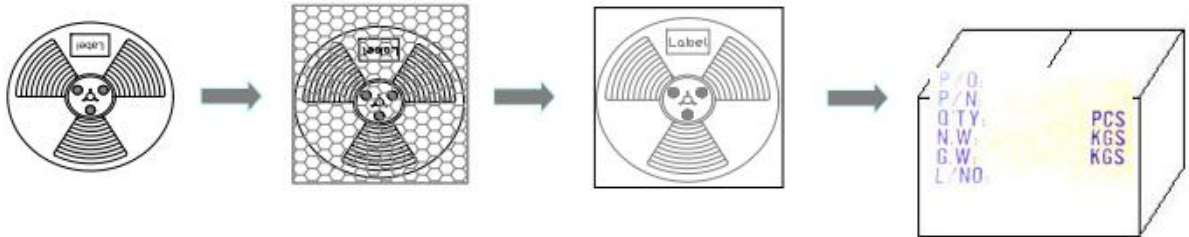




## ● Packaging Specifications



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



轮盘: 13' (直径330mm)  
数量: 1000PCS/盘

PE袋  
数量: 3000PCS/袋

内盒  
数量: 3000PCS/盒

外箱, 数量: 15000PCS/箱  
不足整箱用内盒或填充物装满