

APPROVAL SPECIFICATION

PRODUCT NAME:COMMON MODE CHOKE

KOOMAG PN:KMCC2012N SERIES

CUSTOMER PN:

CUSTOMER APPROVAL

<input type="checkbox"/> Approval <input type="checkbox"/> Approval with the following changes <input type="checkbox"/> Reject		
APPROVED BY	SIGNATURE	DATE

KOOMAG ENGINEERING SIGNATURE

APPROVED BY	CHECKED BY	ISSUED BY
DATE	DATE	DATE

深圳坤磁科技有限公司

SHENZHEN KOOMAG TECHNOLOGY CO., LTD

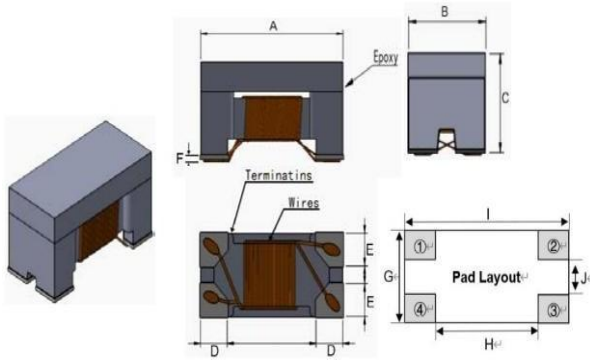
Address: B503, Building B, HuaChuangDa Headquarters Building, Bao'An 49 District, Shenzhen

KMCC2012N SERIES

General Description

1. This specification is applied to KMCC2012 series Common Mode Choke.10/100/1000 MHz Ethernet application.
2. It does not adversely affect the transmission signal of the LAN and suppresses unnecessary common mode noise.
3. Operating Temperature Range: -40 ~ +105°C,
Storage condition : Temperature -10 ~ +40 °C, Humidity 40%~60%.

Appearance & Shape



Dimension (Unit: mm)

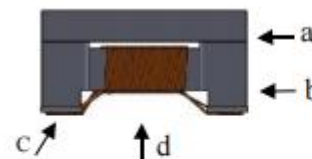
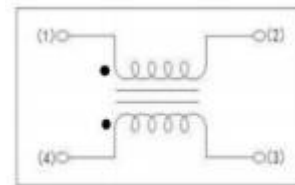
Series:	KMCC2012N-SERIES
A (mm)	2.0±0.2
B (mm)	1.2±0.2
C (mm)	1.20±0.2
D (mm)	0.45±0.1
E (mm)	0.50±0.1
F (mm)	0.15±0.05
G (mm)	1.40
H (mm)	1.20
I (mm)	2.6
J (mm)	0.4

Part Number

KMCC	2012	N	-	2	-	361	M	T	01
A	B	C		D		E	F	G	H

- A: Type (Wire Wound Common Mode Choke)
- B: Dimension
- C: Material
- D: 2 Wires
- E: Impedance
- F: Tolerance (K: ±10%; M: ±20%; N: ±30%)
- G: Tape & Reel
- H: Process Code

Equivalent Circuit / Materials

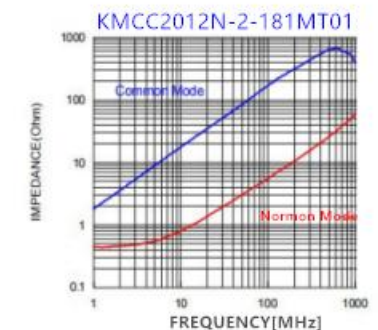
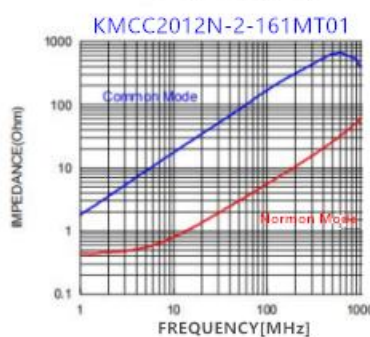
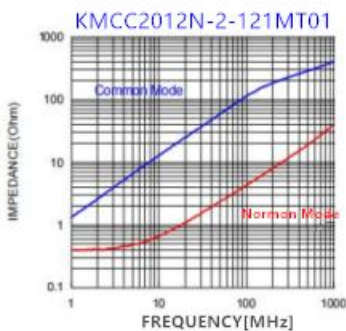
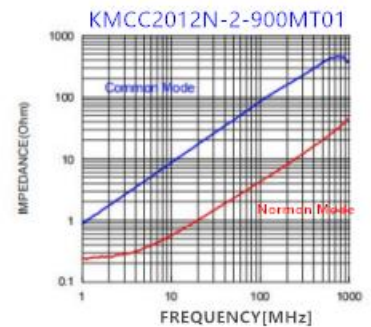
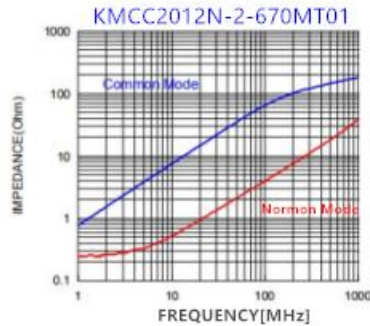
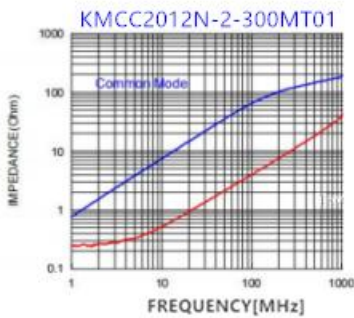


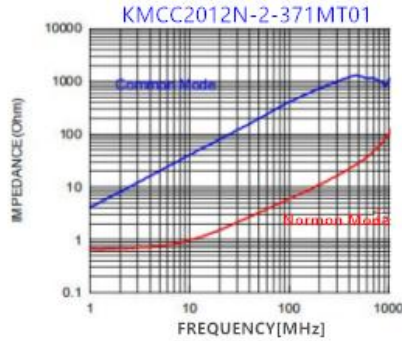
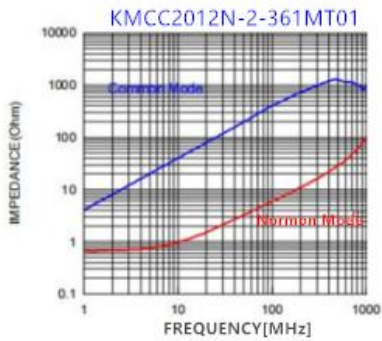
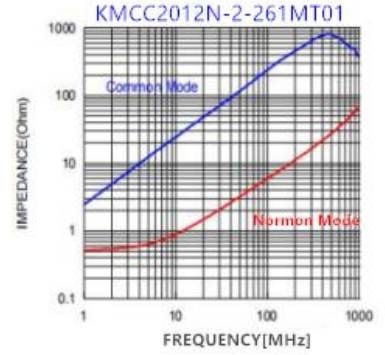
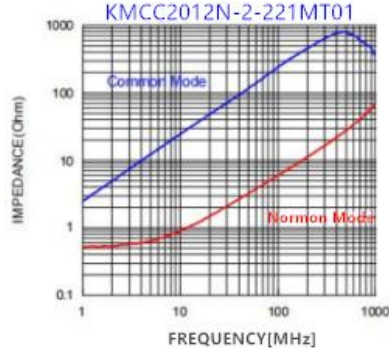
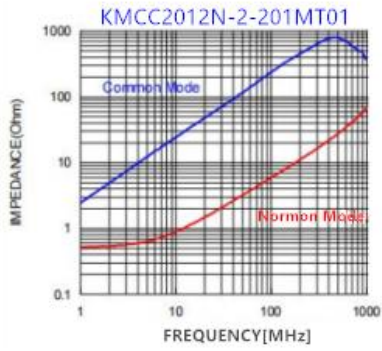
NO.	Description	Specification
a	Upper Plate	Ferrite
b	Core	Ferrite Core
c	Termination	Ag/Ni/Sn
d	Wire	Enameled Copper Wire

Electrical Characteristics

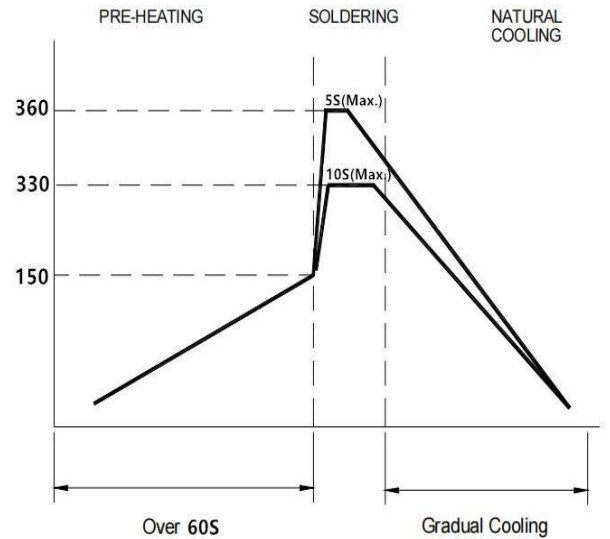
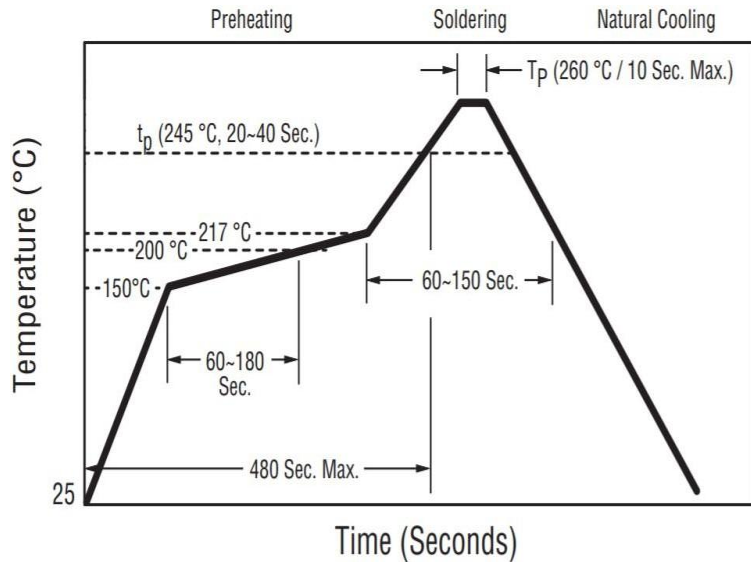
Part No.	Common mode Impedance (Ω)	DC Resistance (Ω) max.	Test Frequency (MHz)	Rated Volt. (Vdc)max.	Rated Current (mA)max.	Withstand Volt. (Vdc)max.	IR (Ω)min.
KMCC2012N-2-300MT01	30 \pm 20%	0.20	100	50	450	125	10M
KMCC2012N-2-670MT01	67 \pm 20%	0.25	100	50	400	125	10M
KMCC2012N-2-900MT01	90 \pm 20%	0.30	100	50	400	125	10M
KMCC2012N-2-121MT01	120 \pm 20%	0.30	100	50	370	125	10M
KMCC2012N-2-161MT01	160 \pm 20%	0.35	100	50	330	125	10M
KMCC2012N-2-181MT01	180 \pm 20%	0.35	100	50	330	125	10M
KMCC2012N-2-201MT01	200 \pm 20%	0.35	100	50	330	125	10M
KMCC2012N-2-221MT01	220 \pm 20%	0.35	100	50	330	125	10M
KMCC2012N-2-261MT01	260 \pm 20%	0.40	100	50	330	125	10M
KMCC2012N-2-361MT01	360 \pm 20%	0.40	100	50	280	125	10M
KMCC2012N-2-371MT01	370 \pm 20%	0.40	100	50	280	125	10M

Curve Frequency (MHz)



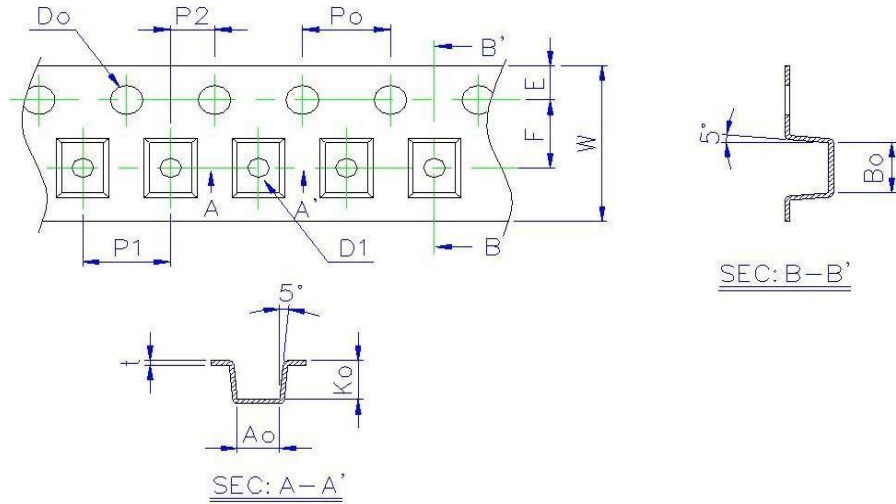


General Reflow Profile



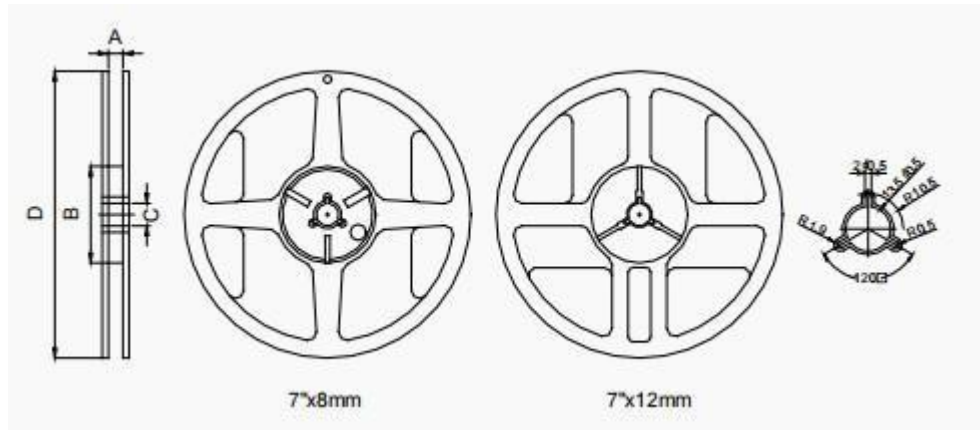
Packaging

(1) Taping Dimensions (Unit: mm)



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
KMCC2012	2.35±0.10	1.50±0.10	1.45±0.10	8.00±0.20	1.75±0.10	3.50±0.05	4.0±0.05	4.0±0.10	1.5+0.1,-0

(2) Reel



Type	A(mm)	B(mm)	C(mm)	D(mm)
7"x8mm	9.0±0.5	60±2	13.5±0.5	178±2
7"x12mm	13.5±0.5	60±2	13.5±0.5	178±2

Part No.	Tape	MPQ
KMCC2012N SERIES	Embossed Tape	2000PCS