

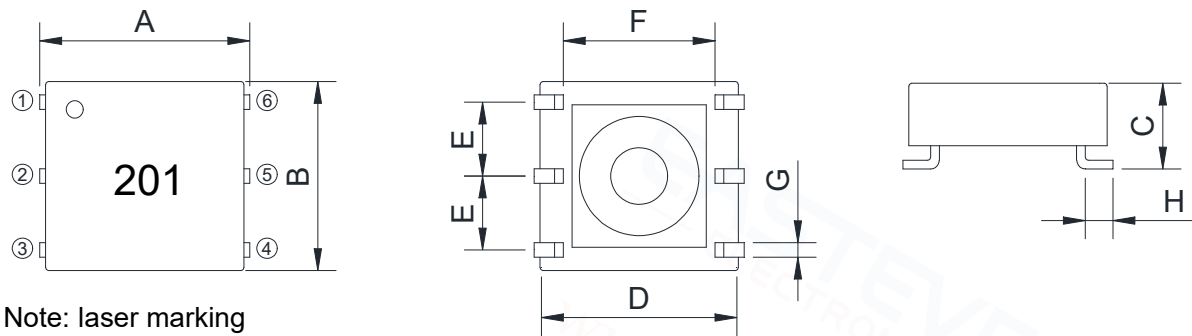
Common Mode Choke

TCHB0703-201Y

2025-7-21 Rev. 0



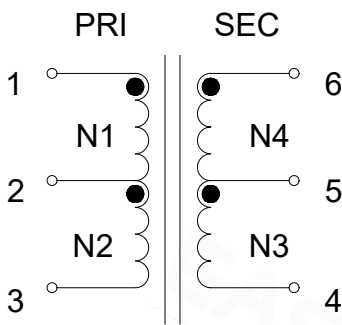
A. MECHANICAL(unit:mm)



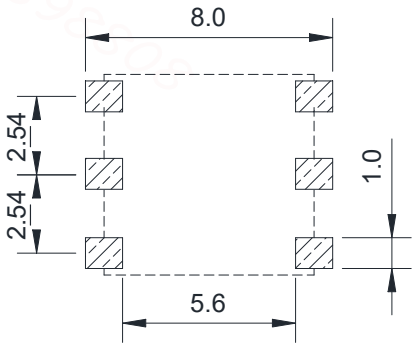
Note: laser marking

Item	A	B	C	D	E	F	G	H
Dim	7.2	6.5	2.95	6.8	2.54	5.2	0.5	0.75
Tole	±0.3	±0.2	±0.2	±0.2	±0.1	±0.2	±0.1	±0.2

B. SCHEMATICS



C. REFERENCE LAND PATTEM (mm)



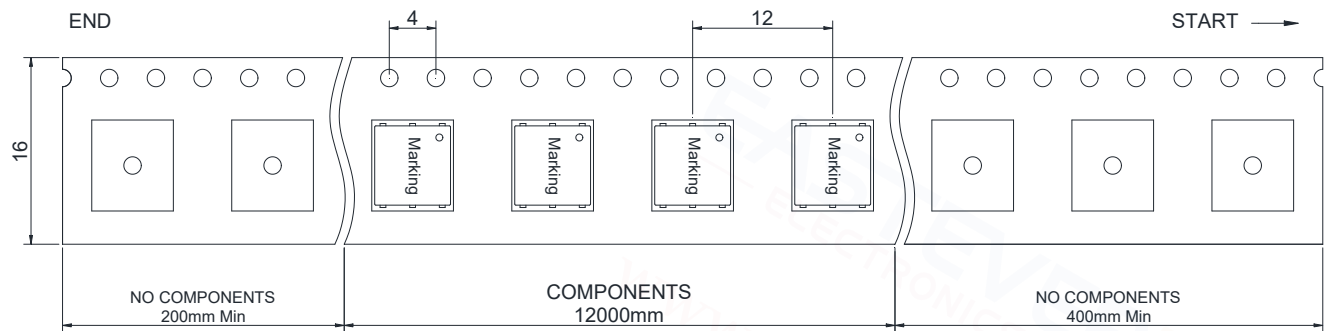
D. ELECTRIC CHARACTERISTICS

NO.	ITEMS	TEMINAL	SPECIFICATION	TEST CONDITION
1	INDUCTANCE	1-3=6-4	200uH Min	@10KHz/0.1V
3	DCR	1-3=6-4	600mΩ Max	@25℃
4	TURNS RATIO	1-3:6-4	1:1±10%	
5	RATED CURRENT	300mA TYP		
6	HI-POT	1-3,6-4	AC3500V/1mA/60S	

- Electrical Specifications @ 25℃
- In the production of products, all electrical properties and electrical strength must be tested
- Temperature rise current: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient
- RoHS compliant
- Operating Temperature Range: -40°C to $+125^{\circ}\text{C}$
- Storage Temperature Range: -25°C to $+40^{\circ}\text{C}$, 75%RH Max

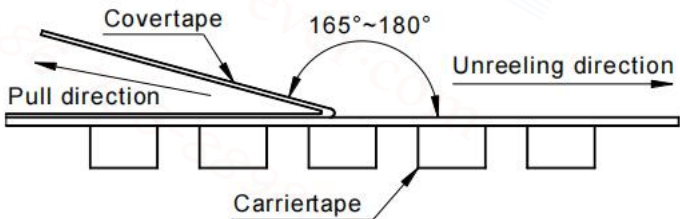
E. PACKINGSPECIFICATIONS

E1.Tape Direction (mm)

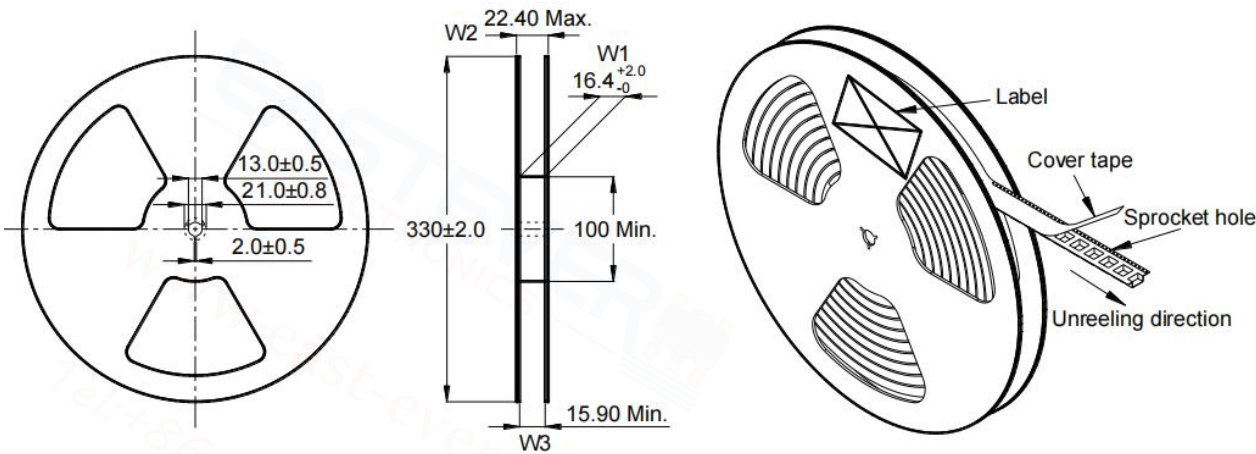


E2.Cover Tape Peel Off Condition

- Cover tape peel force shall be 20g to 120g.
- Reference peel speed 300±10mm/min.



E3. Reel Dimensions (mm)



E4.Carton Dimensions and Packing Quantity

- Inner Carton : 340x340x70mm
- Out Carton : 360x360x240mm

Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
TCHB0703	1500pcs	(1000x3) = 1000pcs	(4500x3) = 13500pcs

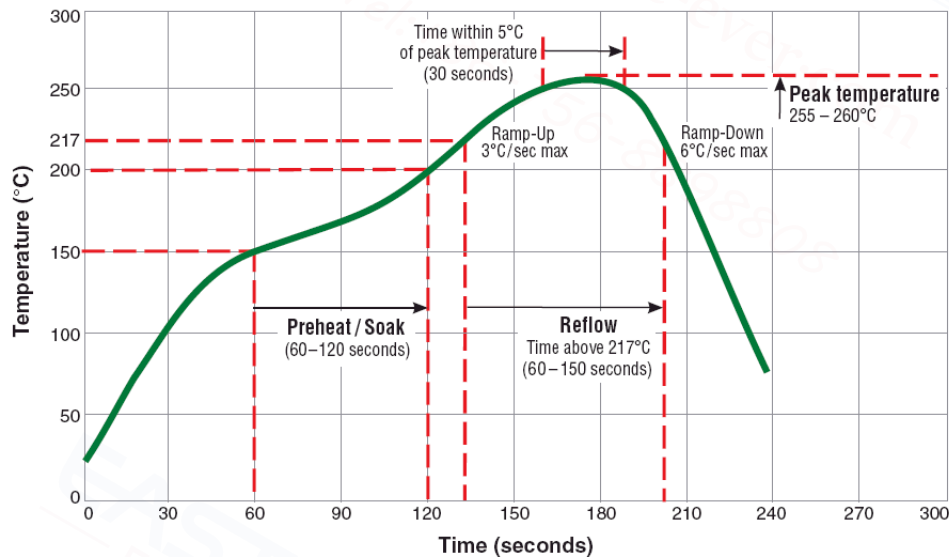
F. SOLDERING CONDITIONS

Applicable soldering process to the products is reflow.

1.Soldering Materials

- (1)Solder:Sn-3.0Ag-0.5Cu (Equivalent)
- (2)Flux:Use rosin-based flux,but not strongly acidic flux (with xhlorine exceeding 0.2wt %).Do not use water-soluble flux.

2.Reflow Soldering Profile



Reworking with electric soldering iron must preheating at 150°C for 1 minute is required, and do not directly touch the core with the tip of the soldering iron. The reworking soldering conditions are as follows.

- ① Temperature of soldering iron tip: 350°C;
- ② Soldering iron power output: ≤30W;
- ③ Diameter of soldering iron end: ≤1.0mm;
- ④ Soldering time: <3 s

