

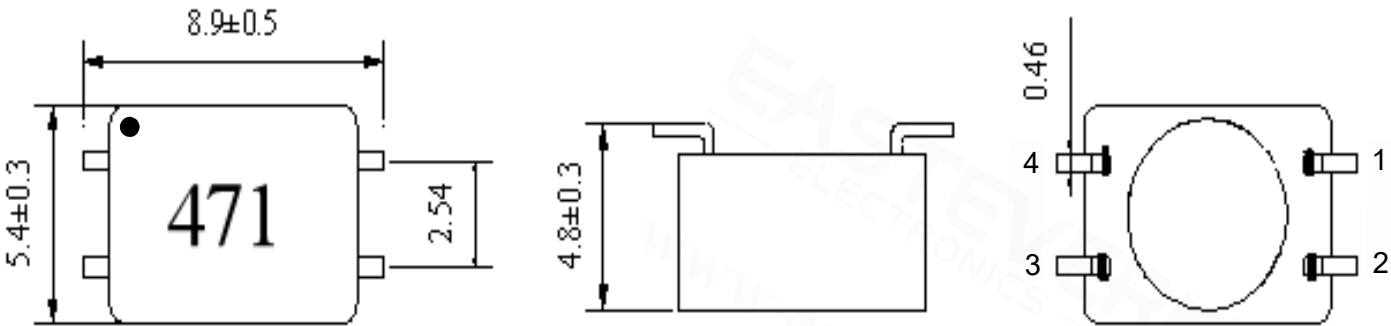
Common Mode Choke

TCHB0905-471Y

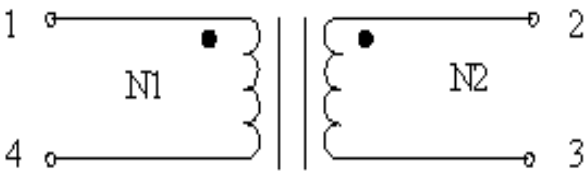
2025-7-4 Rev. 0



A. MECHANICAL(unit:mm)



B. SCHEMATICS



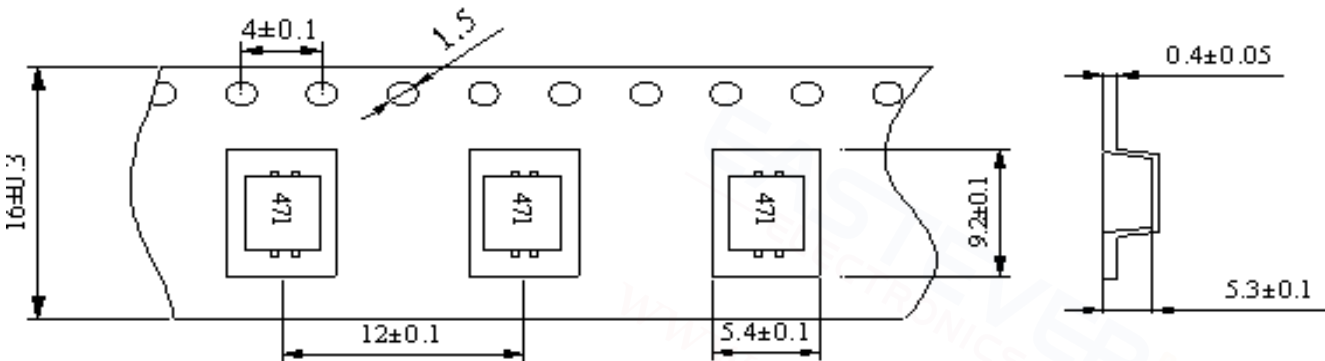
C. ELECTRIC CHARACTERICS

NO.	ITEMS	TEMINAL	SPECIFICATION	TEST CONDITION
1	INDUCTANCE	1-4=2-3	470uH ^{+50%} _{-30%}	@100KHz/0.1V
2	DCR	1-4=2-3	280mΩ Max	@25℃
3	TURNS RATIO	(1-4):(2-3) =1:1		
4	RATED CURRENT	1.0A		
5	HI-POT	N1-N2	@0.5KVAC/1mA/2S	
6	IMPEDANCE	1000Ω Min		@10MHz

- Electrical Specifications @ 25℃
- In the production of products, all electrical properties and electrical strength must be tested
- RoHS compliant
- Operating Temperature Range: -25℃ to +85℃

D. PACKINGSPECIFICATIONS

D1.Tape Direction (mm)

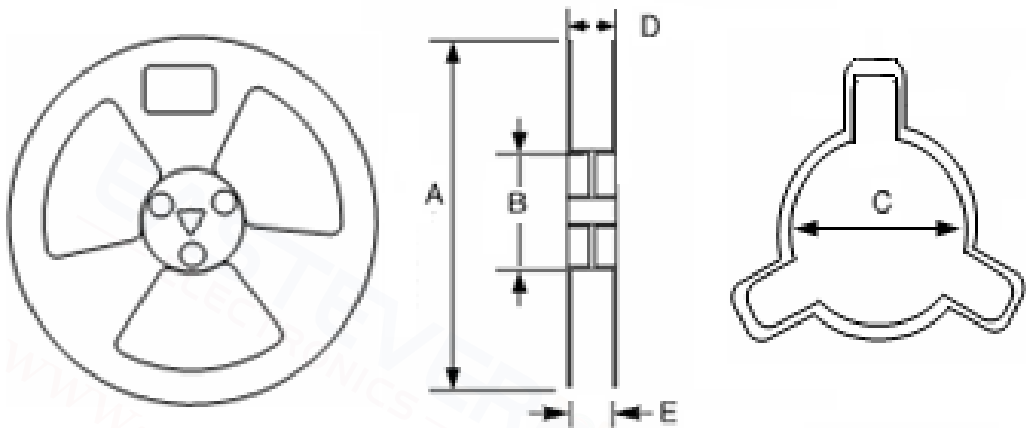


D2.Cover Tape Peel Off Condition

■ Note: Cold seal the lid tape, and then wrap it around with a protective tape



D3. Reel Dimensions (mm)



A	B	C	E	D
Φ330	Φ100	Φ13.5	16.5	22.5

■ Note: The carrier plate needs to be fixed with hot melt glue at the buckle.

D4.Carton Dimensions and Packing Quantity

■ Inner Carton : 335x40x335mm

■ Out Carton : 350x300x350mm

Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
TCHB0905	1000pcs	(1000x3) = 3000pcs	(3000x5) = 15000pcs

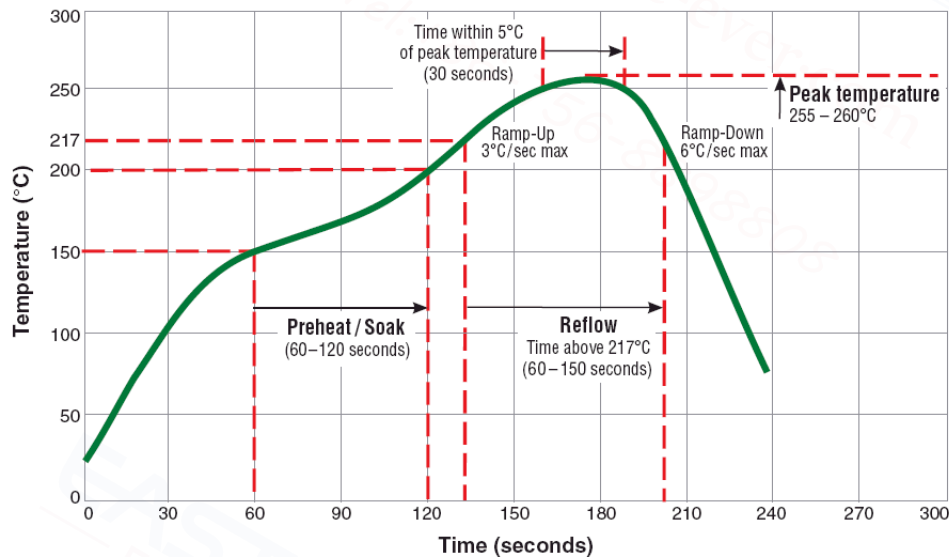
E. SOLDERING CONDITIONS

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

