

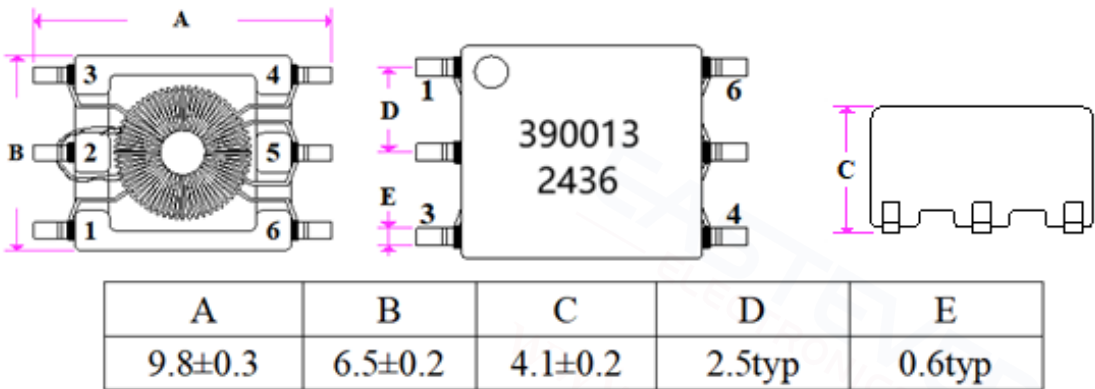
Common Mode Choke

TCHB1004-471Y-00

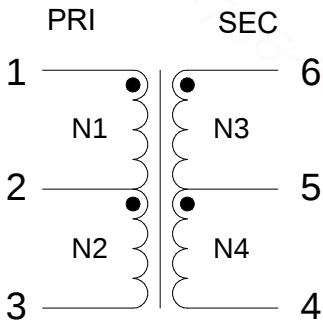
2024-9-9 Rev. 0



A. MECHANICAL(unit:mm)



B. SCHEMATICS



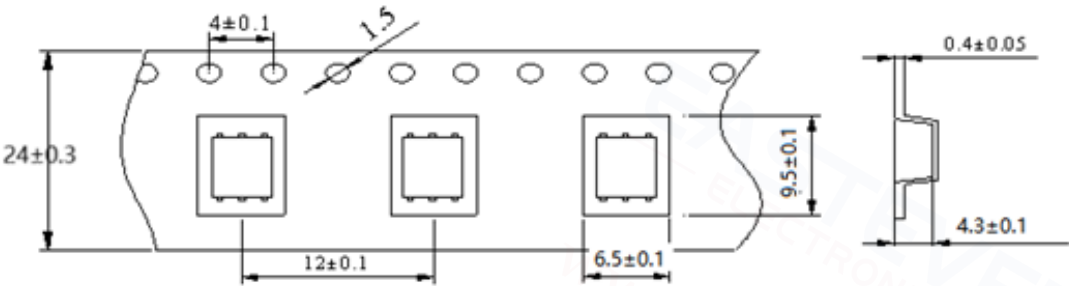
C. ELECTRIC CHARACTERISTICS

NO.	ITEMS	TEMINAL	SPECIFICATION	TEST CONDITION
1	INDUCTANCE	1-3	475uH Min	@10KHz/0.1V
2	DCR	1-3	350mΩ Max	
		6-4	500mΩ Max	
3	TURNS RATIO	(1-3):(6-4)=1:1.7		
4	HI-POT	Pri-Sec	@2.5KVAC/3mA/2S	

- Electrical Specifications @ 25°C
- In the production of products, all electrical properties and electrical strength must be tested
- RoHS compliant
- Operating Temperature Range: -40°C to +85°C
- Storage Temperature Range: -55°C to +105°C

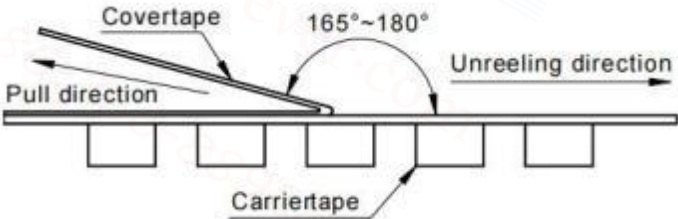
D. PACKINGSPECFICATIONS

(1).Tape Direction (mm)

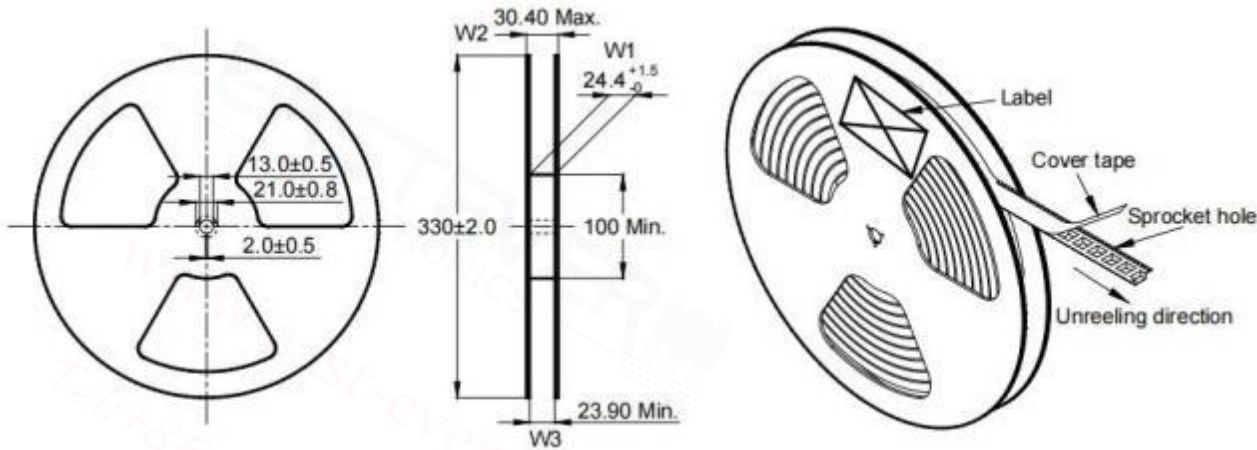


(2).Cover Tape Peel Off Condition

- Cover tape peel force shall be 10g to 130g.
- Reference peel speed 300±10mm/min.



(3). Reel Dimensions (mm)



(4).Carton Dimensions and Packing Quantity

- Inner Carton : 335x40x335mm
- Out Carton : 350x300x350mm

Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
TCHB1004	1000pcs	(1000x3) = 3000pcs	(3000x5) = 15000pcs

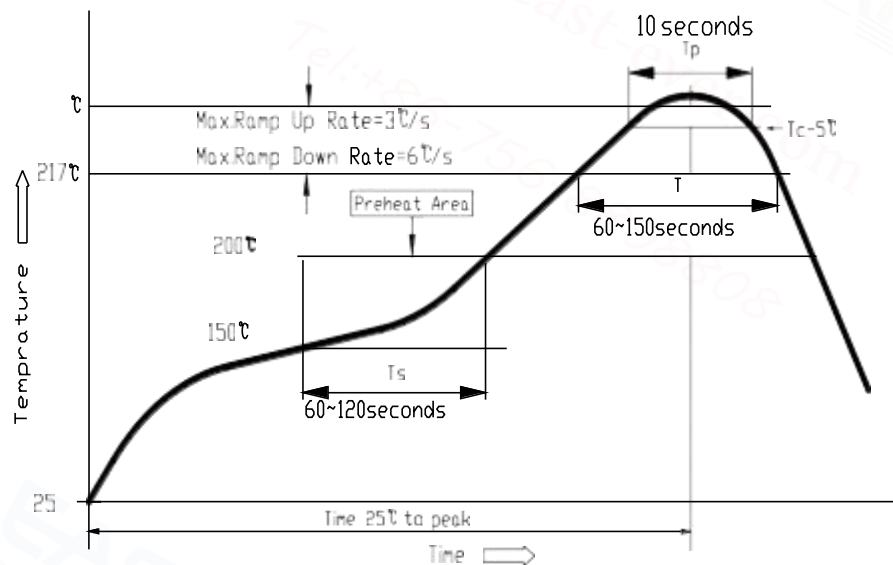
E. SOLDERING CONDITIONS

Applicable soldering process to the products is refl.

E.1 Soldering Materials

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

E.2 Reflow Soldering Profile



E.3 Soldering Iron

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

