

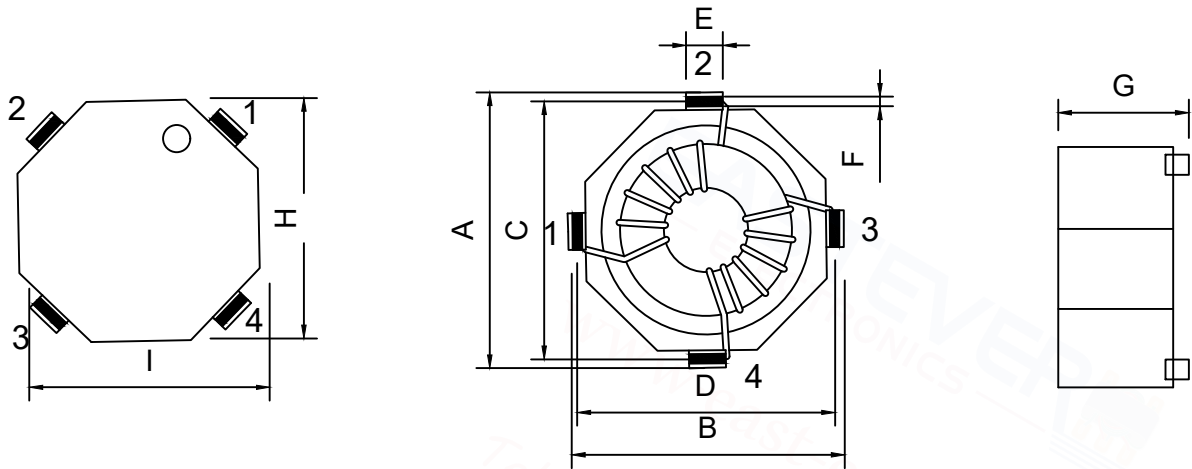
Common Mode Choke

TCHB1105-251Y-00

2025-7-24 Rev. 0

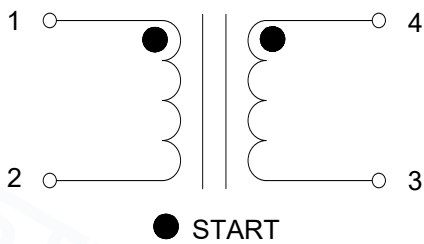


A. MECHANICAL(unit:mm)



Item	A	B	C	D	E	F	G	H	I
Dim	11.20	11.20	9.80	9.80	1.90	0.5	5.10	9.30	8.80
Tole	±0.5	±0.5	±0.4	±0.4	±0.3	±0.15	±0.3	±0.3	±0.3

B. SCHEMATICS



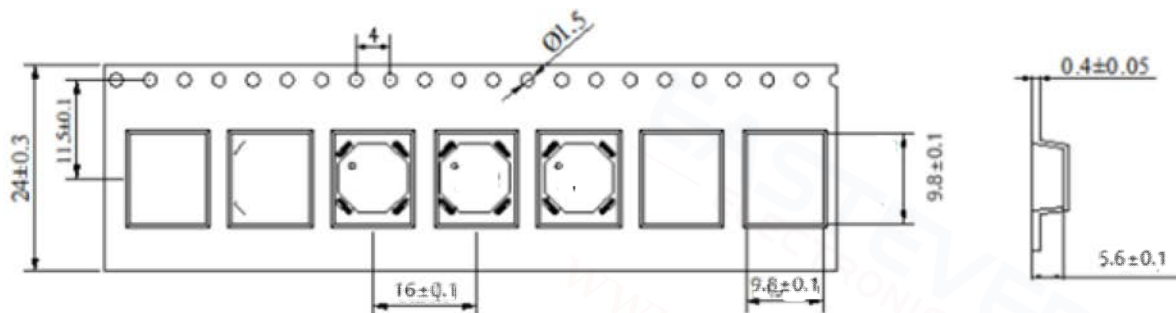
C. ELECTRIC CHARACTERICS

NO.	ITEMS	TEMINAL	SPECIFICATION	TEST CONDITION
1	INDUCTANCE	1-2=4-3	250uH Min	@10KHz/0.3V
2	DCR	1-2=4-3	0.2Ω Max	@25℃
3	TURNS RATIO	(1-2):(4-3)=1:1		
4	RATED CURRENT	1.5A Max		
5	HI-POT	N1-N2	@AC1KV/1mA/2S	

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

D. PACKINGSPECIFICATIONS

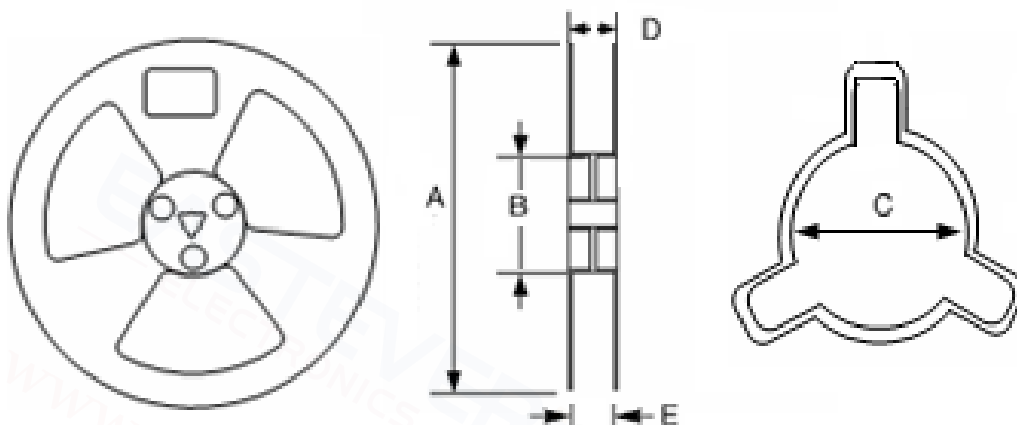
D1.Tape Direction (mm)



D2.Cover Tape Peel Off Condition



D3. Reel Dimensions (mm)



A	B	C	E	D
Φ330	Φ100	Φ13.5	24.5	30.5

D4. Carton Dimensions and Packing Quantity

■ Inner Carton : 335x90x335mm

■ Out Carton : 350x300x350mm

Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
TCHB1105	800pcs	(800x2) = 1600pcs	(800x10) = 8000pcs

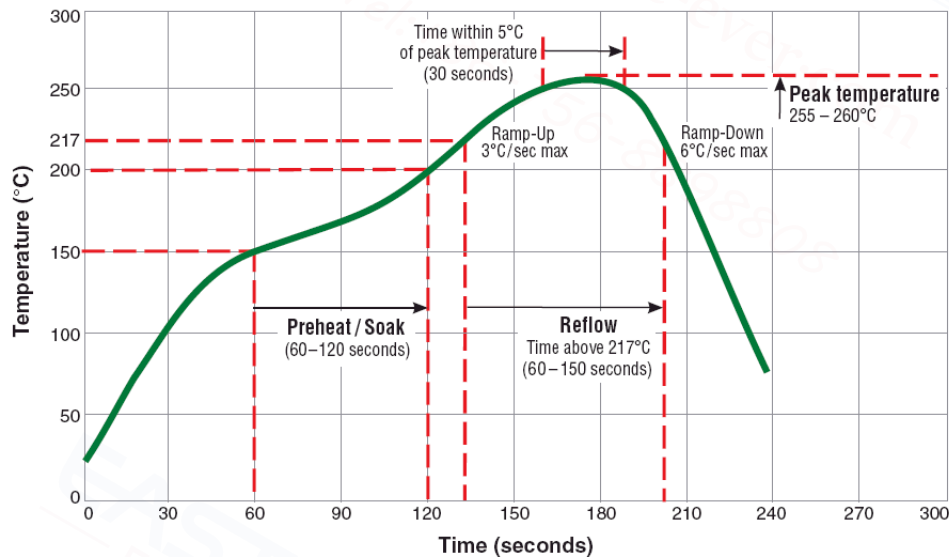
E. SOLDERING CONDITIONS

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

