

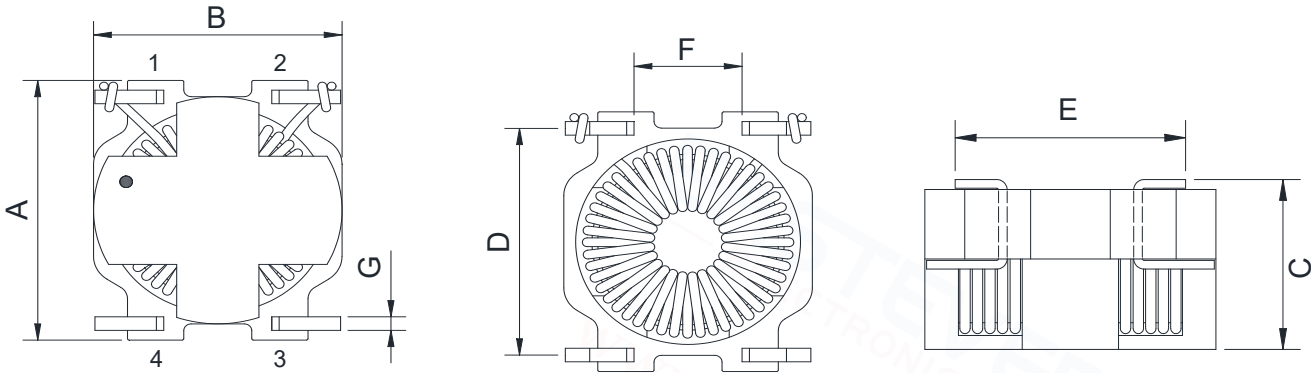
Common Mode Choke

TCHB2010-560P

2025-7-8 Rev. 0



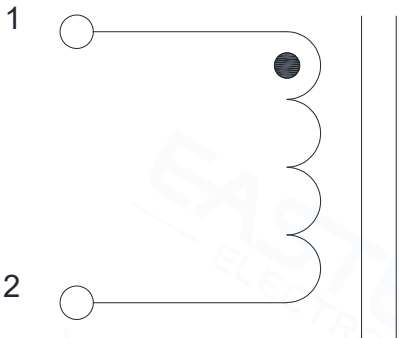
A. MECHANICAL(unit:mm)



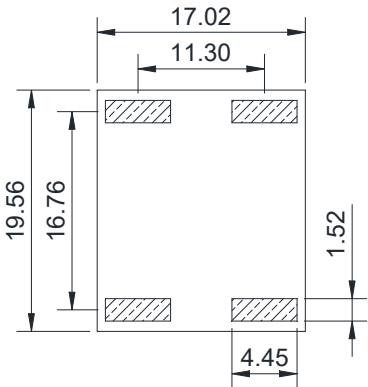
Note: laser marking

Item	A	B	C	D	E	F	G
Dim	19.56	17.02	9.91	16.76	13.3	7.3	1.0
Tole	Max	Max	Max	±0.5	±0.3	±0.3	±0.2

B. SCHEMATICS



C. REFERENCE LAND PATTEM (mm)



D. WINDING TURNS

Winding	Wire	Star	Turns	End
N1	P180-0.1	1	445TS	2

E. ELECTRIC CHARACTERICS

NO.	ITEMS	TEMINAL	SPECIFICATION	TEST CONDITION
1	INDUCTANCE	1-2	567mH±40%	1KHz/0.1V
2	DCR	1-2	23.4Ω Max	25℃
3	Q	1-2	70 REF	1KHz/0.1V

- Electrical Specifications @ 25℃
- In the production of products, all electrical properties and electrical strength must be tested
- RoHS compliant
- Operating Temperature Range: -40℃ to +85℃
- Storage Temperature Range: -20℃ to +40℃ , 70%RH Max

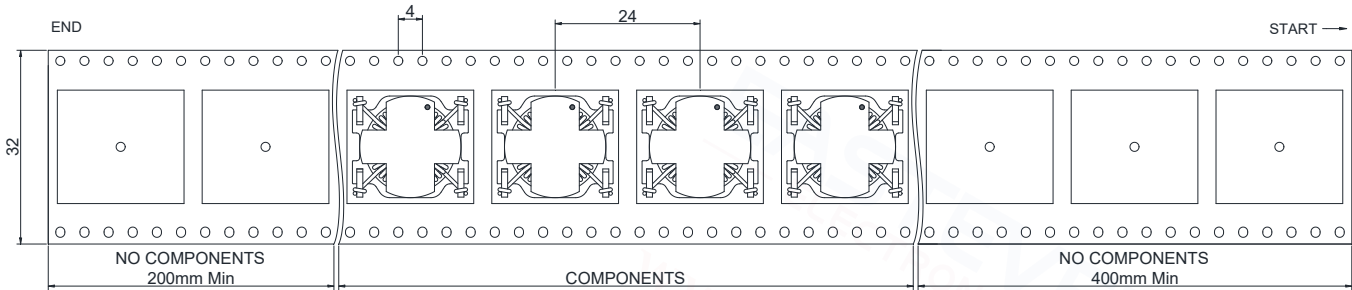
F. MATERIAL LIST

NO.	CALLS	SPECIFICATION
1	CORE	FERRITE (A05)
2	CASE	WH8100&CPJ
3	WIRE	P180-0.1
4	TIN	Sn100%
5	ADHESIVE	FH-5890

- RoHS complian

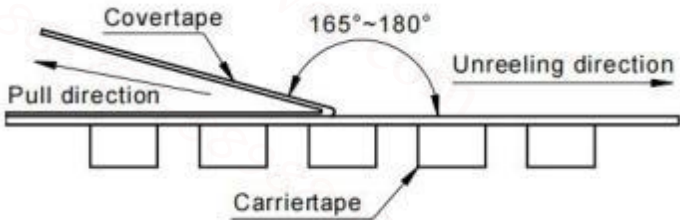
E. PACKINGSPECIFICATIONS

E1.Tape Direction (mm)

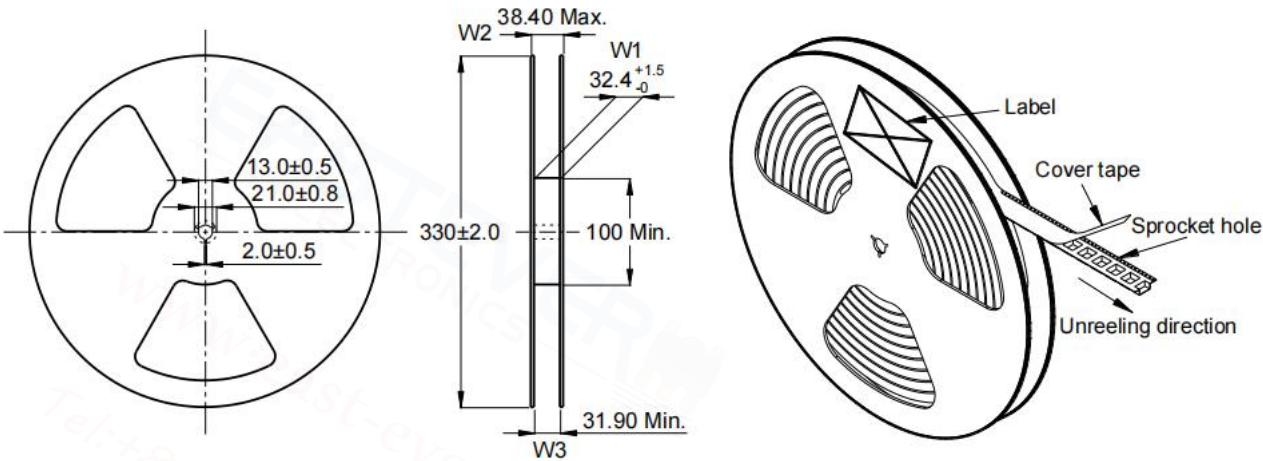


E2.Cover Tape Peel Off Condition

- Cover tape peel force shall be 10g to 130g.
- 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
TCHB2010-560P	200pcs	(180x1) = 180pcs	(180x5) = 900pcs

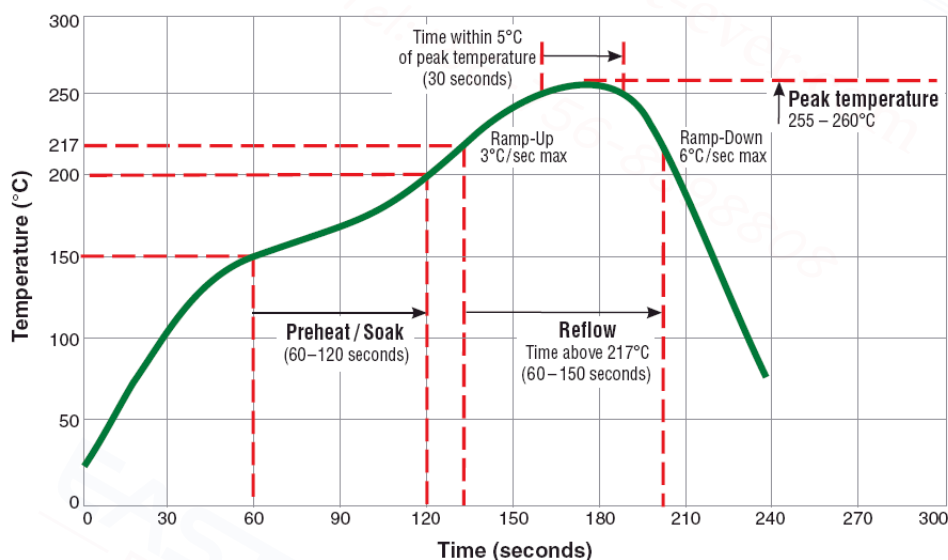
F. SOLDERING CONDITIONS

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