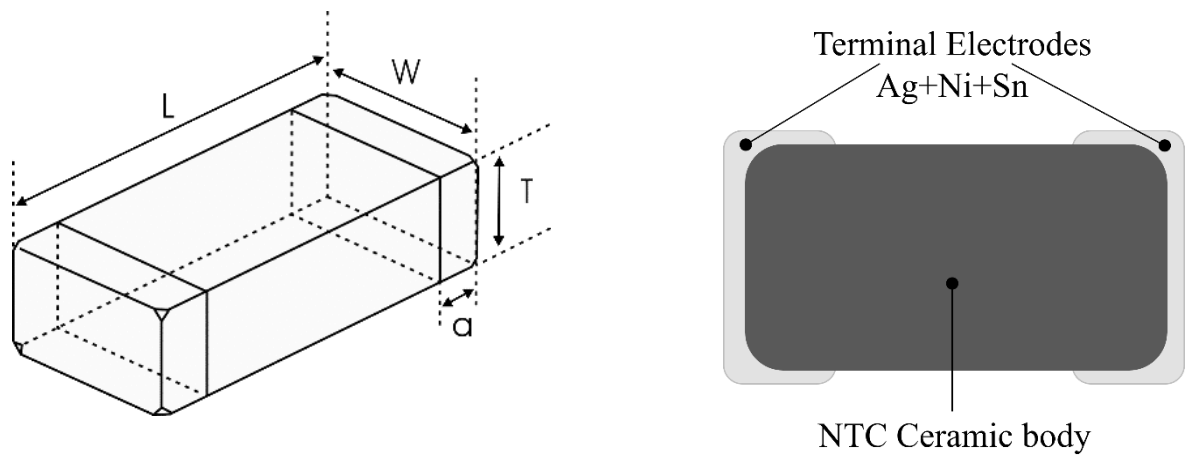


1. Shape & Dimensions & Components



Unit: mm

Type	L	W	T	a
0805	2.0±0.15	1.25±0.15	0.85±0.15	0.45±0.25

2. Identification (Part Number)

MCN 0805 X 473 F 4050 F B
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Type	
MCN	Minci SMD NTC thermistor

② Chip dimension code (mm) (L×W×T)	
0805[2012]	2.00×1.25×0.85

③ Delimiter	
X	

④ Nominal Zero-Power Resistance at 25°C	
502	5.0kΩ
473	47kΩ
104	100kΩ

⑤ Tolerance of Resistance	
F	±1%
G	±2%
H	±3%
J	±5%

⑥ B Constant	
3435	3435K
4050	4050K
4250	4250K

⑦ Tolerance of B Constant	
F	±1%
H	±3%

⑧ B constant calculation method	
A	25°C&85°C
B	25°C&50°C

3. Electrical properties (In static air)

Part No.	R25 (kΩ)	B constant (25/50°C) (K)	B constant (25/85°C) (K)	Permissible Operating Current (25°C) (mA)	Rated Electric Power(25°C) (mW)	Dissipation Factor (mW/°C)	Thermal Time Constant (s)
MCN0805X102□3300FB	1.0	3300±1%	3350	1.40	100	2.0	<5
MCN0805X202□3450FB	2.0	3450±1%	3500	0.98			
MCN0805X222□3380FB	2.2	3380±1%	3435	0.95			
MCN0805X222□3450FB	2.2	3450±1%	3500	0.95			
MCN0805X472□3380FB	4.7	3380±1%	3435	0.65			
MCN0805X472□3435FA	4.7	3380	3435±1%	0.65			
MCN0805X472□3450FB	4.7	3450±1%	3500	0.65			
MCN0805X472□3500FB	4.7	3500±1%	3545	0.65			
MCN0805X472□3600FB	4.7	3600±1%	3660	0.65			
MCN0805X472□3950FB	4.7	3950±1%	3990	0.65			
MCN0805X502□3380FB	5.0	3380±1%	3435	0.63			
MCN0805X502□3435FA	5.0	3380	3435±1%	0.63			
MCN0805X502□3500FB	5.0	3500±1%	3545	0.63			
MCN0805X502□3600FB	5.0	3600±1%	3660	0.63			
MCN0805X502□3950FB	5.0	3950±1%	3990	0.63			
MCN0805X682□3380FB	6.8	3380±1%	3435	0.54			
MCN0805X682□3435FA	6.8	3380	3435±1%	0.54			
MCN0805X682□3500FB	6.8	3500±1%	3545	0.54			
MCN0805X682□3600FB	6.8	3600±1%	3660	0.54			
MCN0805X682□3950FB	6.8	3950±1%	3990	0.54			
MCN0805X682□4050FB	6.8	4050±1%	4110	0.54			
MCN0805X103□3380FB	10	3380±1%	3435	0.44			

Part No.	R25 (kΩ)	B constant (25/50°C) (K)	B constant (25/85°C) (K)	Permissible Operating Current (25°C) (mA)	Rated Electric Power(25°C) (mW)	Dissipation Factor (mW/°C)	Thermal Time Constant (s)
MCN0805X103□3435FA	10	3380	3435±1%	0.44	100	2.0	<5
MCN0805X103□3450FB	10	3450±1%	3500	0.44			
MCN0805X103□3500FB	10	3500±1%	3545	0.44			
MCN0805X103□3600FB	10	3600±1%	3660	0.44			
MCN0805X103□3900FB	10	3900±1%	3935	0.44			
MCN0805X103□3950FB	10	3950±1%	3990	0.44			
MCN0805X103□3970FA	10	3945	3970±1%	0.44			
MCN0805X103□4050FB	10	4050±1%	4110	0.44			
MCN0805X153□3950FB	15	3950±1%	3990	0.36			
MCN0805X203□3950FB	20	3950±1%	3990	0.32			
MCN0805X203□4050FB	20	4050±1%	4110	0.32			
MCN0805X223□3950FB	22	3950±1%	3990	0.30			
MCN0805X223□4050FB	22	4050±1%	4110	0.30			
MCN0805X303□3950FB	30	3950±1%	3990	0.25			
MCN0805X303□4050FB	30	4050±1%	4110	0.25			
MCN0805X333□3950FB	33	3950±1%	3990	0.24			
MCN0805X333□4050FB	33	4050±1%	4110	0.24			
MCN0805X473□3950FB	47	3950±1%	3990	0.20			
MCN0805X473□4050FB	47	4050±1%	4110	0.20			
MCN0805X473□4110FA	47	4050	4110±1%	0.20			
MCN0805X473□4150FB	47	4150±1%	4210	0.20			
MCN0805X493□3937FB	49	3937±1%	3980	0.19			
MCN0805X493□3950FB	49	3950±1%	3990	0.19			

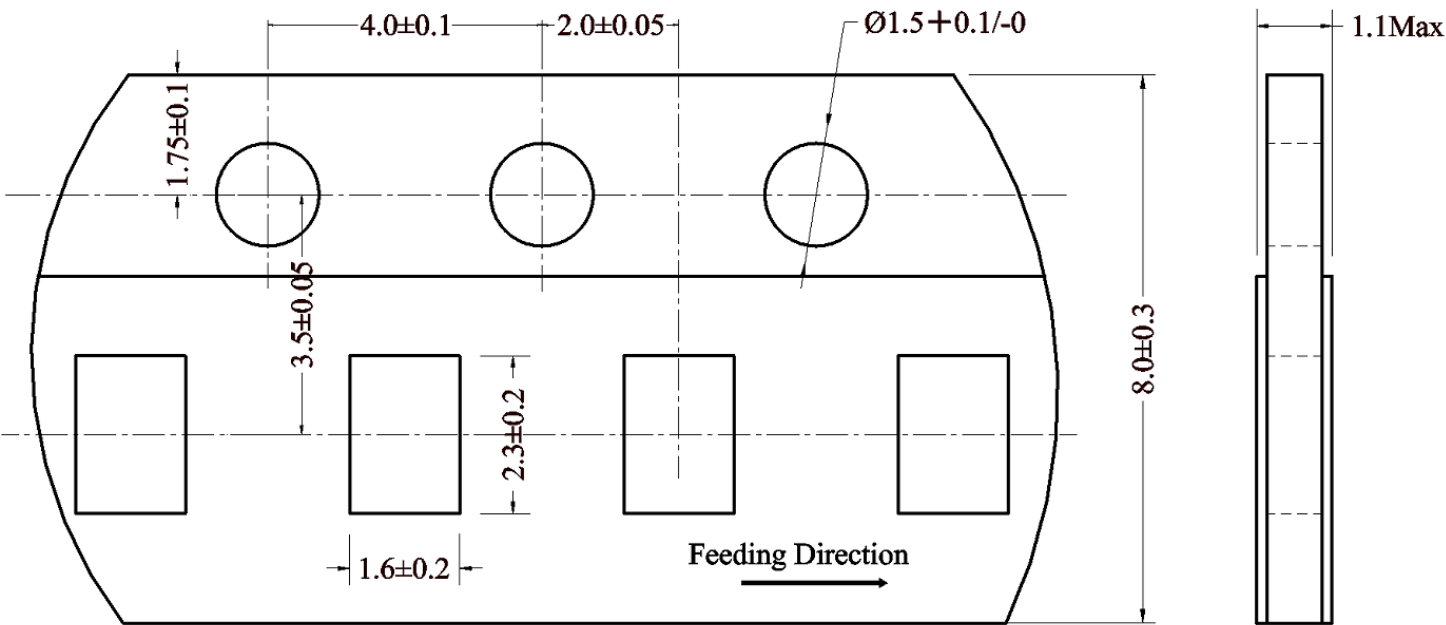
Part No.	R25 (kΩ)	B constant (25/50°C) (K)	B constant (25/85°C) (K)	Permissible Operating Current (25°C) (mA)	Rated Electric Power(25°C) (mW)	Dissipation Factor (mW/°C)	Thermal Time Constant (s)
MCN0805X503□3950FB	50	3950±1%	3990	0.19	100	2.0	<5
MCN0805X503□4050FB	50	4050±1%	4110	0.19			
MCN0805X503□4150FB	50	4150±1%	4210	0.19			
MCN0805X683□3950FB	68	3950±1%	4010	0.17			
MCN0805X683□4050FB	68	4050±1%	4110	0.17			
MCN0805X683□4150FB	68	4150±1%	4210	0.17			
MCN0805X104□3950FB	100	3950±1%	4010	0.14			
MCN0805X104□4050FB	100	4050±1%	4110	0.14			
MCN0805X104□4100FA	100	4040	4100±1%	0.14			
MCN0805X104□4150FB	100	4150±1%	4210	0.14			
MCN0805X104□4250FB	100	4250±1%	4310	0.14			
MCN0805X104□4310FA	100	4250	4310±1%	0.14			
MCN0805X104□4360FB	100	4360±1%	4375	0.14			
MCN0805X104□4485FB	100	4485±1%	4500	0.14			
MCN0805X124□3950FB	120	3950±1%	4010	0.13			
MCN0805X154□3950FB	150	3950±1%	4010	0.11			
MCN0805X154□4250FB	150	4250±1%	4310	0.11			
MCN0805X204□3950FA	200	3890	3950±1%	0.09			
MCN0805X204□3950FB	200	3950±1%	4010	0.09			
MCN0805X204□4050FB	200	4050±1%	4110	0.09			
MCN0805X224□3950FB	220	3950±1%	4010	0.08			
MCN0805X224□4250FB	220	4250±1%	4310	0.08			
MCN0805X224□4500FB	220	4500±1%	4515	0.08			

Part No.	R25 (kΩ)	B constant (25/50°C) (K)	B constant (25/85°C) (K)	Permissible Operating Current (25°C) (mA)	Rated Electric Power(25°C) (mW)	Dissipation Factor (mW/°C)	Thermal Time Constant (s)
MCN0805X304□3950FB	300	3950±1%	4010	0.07	100	2.0	<5
MCN0805X334□3950FB	330	3950±1%	4010	0.07			
MCN0805X334□4050FB	330	4050±1%	4110	0.07			
MCN0805X334□4250FB	330	4250±1%	4310	0.07			
MCN0805X474□3950FB	470	3950±1%	4010	0.05			
MCN0805X474□4050FB	470	4050±1%	4110	0.05			
MCN0805X474□4100FA	470	4040	4100±1%	0.05			
MCN0805X474□4100FB	470	4100±1%	4160	0.05			
MCN0805X474□4500FB	470	4500±1%	4515	0.05			
MCN0805X504□3950FB	500	3950±1%	4010	0.05			
MCN0805X504□4150FB	500	4150±1%	4210	0.05			
MCN0805X564□4050FB	560	4050±1%	4110	0.04			
MCN0805X564□4500FB	560	4500±1%	4515	0.04			
MCN0805X684□4150FB	680	4150±1%	4210	0.03			
MCN0805X684□4500FB	680	4500±1%	4515	0.03			
MCN0805X105□4500FB	1000	4500±1%	4515	0.02			
MCN0805X135□4500FB	1300	4500±1%	4515	0.02			

* □ Please specify the tolerance of resistance (F=±1%, G=±2%, H=±3%, J=±5%)

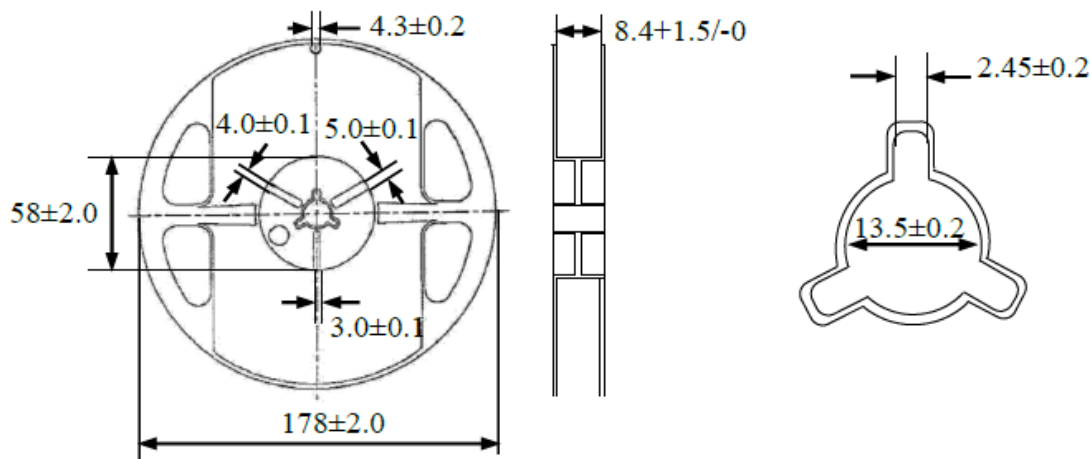
4. Taping and Packaging

4.1 Paper tape Dimensions



Unit: mm

4.2 Reel Dimensions



Unit: mm

Size (EIA)	Quantity
0805	4000pcs/ Reel