产 品 承 认 书
Product Appoval Sheet

编号 NO.	
日期 Date	

客户 (Customer)	
品名 (Product)	
系列 (Series)	

料号 (Part No.)		规格描述 (Specification)	备注 (Remark)
客 户 Customer			

环保符合性说明 (Instructions for RoHS)
本产品符合：☐ RoHS 2.0 ☐ HF ☐ REACH ☐ 其他备注

		确认合格章 (Confirm qualified Signet)	客 户 (Customer)	零件承认章 (Approval Signet)
制 作 Make				
审 核 Check				
确 认 Approval				

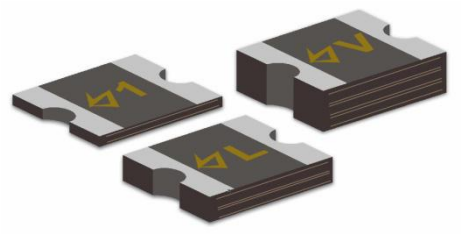
联络 (Contact)			
业务 (Sales)	电话 (Telephone)	手机 (Cellphone)	邮箱 (E-mail)
零件承认后敬请回签一份给我司留存，或将承认后的封面传真 (0769-8352 1857) 至我司，谢谢！			

履历 (Document Record)

序号 (No.)	日期(Date)	修订内容 (Modified Content)	页码 (Page)	版本 (Edition)	制定人 (Prepared by)	审核人 (Checked by)	备注 (Remark)
	2019.2.10	Draft	11	A/0	Xiong	Wang	

目 录 (Table of contents)

1.SCOPE AND DESCRIPTION（适用范围和说明）



Following electronic product specifications apply to PPTC fuses of the BN/L-N (SMD1206) series. The BN/L-N series provides over current protection for applications of automotive electronics, PC motherboards, Hard disk driver, PC peripherals, POS Equipment, USB port and HDMI source where space is limited and a low voltage power supply, up to DC60V and a load to be protested.

2. GENERAL INFORMATION（基本信息）

Applications

- RoHS Compliant & Halogen Free
- Faster tripping, 1206 Dimension, Surface mountable
- Solid state Operating Current: 0.05A~7.5A, @25℃
- Maximum Voltage: 6V-60V
- Operating Temperature：-40℃~ 85℃

3. PART NUMBERING SYSTEM（料号编码系统）

Part NO.	Serial NO.	Size	I_H	V_{MAX}	Packing	Appendix
BNN00507D0	Normal series	1206	50mA	30V	3500	Normal

BN - N - 0050 - 7 - D - 0

Serial NO.
BN : Normal series
BL : LoR series

Size
F: 0603
P: 0805
N: 1206
U: 1210
H: 1505
M: 1812
L: 2920

I_H
0050: 50mA
0500: 500mA
1500: 5A

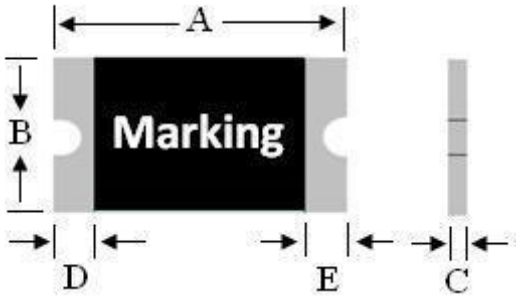
V_{MAX}
0: 6V
1: 8V
2: 9V
3: 12V
4: 13.2V
5: 16V
6: 24V
7: 30V
8: 33V
9: 60V

Packing
A: 1500
B: 2000
C: 3000
D: 3500
E: 4000
F: 5000

Appendix
0: Normal
...

4. CONSTRUCTION AND MECHANICAL CHARACTERISTICS（产品结构特性）

4.1 Dimensions (units: mm)



Part NO.	Marking	A		B		C		D	E
		Min	Max	Min	Max	Min	Max	Min	Min
Normal series：									
BNN00507D0	b0	3.0	3.5	1.5	1.8	0.6	1.1	0.15	0.1
BNN00509D0	b0	3.0	3.5	1.5	1.8	0.6	1.1	0.15	0.1
BNN01009D0	b1	3.0	3.5	1.5	1.8	0.6	1.1	0.15	0.1
BNN01007D0	b1	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BNN01207D0	b1	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BNN01607F0	b2	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN02006F0	b2	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN02505F0	b2	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN02506F0	b2	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN03505F0	b3	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN03506F0	b3	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN05000F0	b5	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN05004F0	b5	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN05005F0	b5	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN05006D0	b5	3.0	3.5	1.5	1.8	0.4	1.2	0.15	0.1
BNN07500F0	b7	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN07504F0	b7	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN07505D0	b7	3.0	3.5	1.5	1.8	0.5	1.3	0.15	0.1
BNN11000F0	b A	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1

BNN11100F0	b A	3.0	3.5	1.5	1.8	0.4	0.9	0.15	0.1
BNN11104D0	b A	3.0	3.5	1.5	1.8	0.5	1.3	0.15	0.1
BNN11105D0	b A	3.0	3.5	1.5	1.8	0.5	1.3	0.15	0.1
BNN11500D0	b B	3.0	3.5	1.5	1.8	0.6	1.5	0.15	0.1
BNN12000D0	b C	3.0	3.5	1.5	1.8	0.7	1.7	0.15	0.1
Low Resistance Series：									
BLN11500F0	b D	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN11503F0	b D	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN11750F0	b E	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN11753F0	b E	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN12000F0	b F	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN12003F0	b F	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN12600F0	b G	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN12603F0	b G	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN13000F0	b H	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN13003F0	b H	3.0	3.5	1.5	1.8	0.3	0.7	0.15	0.1
BLN13500F0	b J	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BLN13503F0	b J	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BLN13800D0	b K	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BLN13803D0	b K	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BLN14000D0	b L	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BLN14003D0	b L	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BLN14500D0	b M	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BLN14503D0	b M	3.0	3.5	1.5	1.8	0.5	1.1	0.15	0.1
BLN15000D0	b N	3.0	3.5	1.5	1.8	0.6	1.4	0.15	0.1
BLN15003D0	b N	3.0	3.5	1.5	1.8	0.6	1.4	0.15	0.1
BLN15500D0	b P	3.0	3.5	1.5	1.8	0.6	1.4	0.15	0.1
BLN15503D0	b P	3.0	3.5	1.5	1.8	0.6	1.4	0.15	0.1
BLN16000D0	b R	3.0	3.5	1.5	1.8	0.7	1.4	0.15	0.1
BLN16003D0	b R	3.0	3.5	1.5	1.8	0.7	1.4	0.15	0.1
BLN16500D0	b S	3.0	3.5	1.5	1.8	0.7	1.4	0.15	0.1

BLN16503D0	b S	3.0	3.5	1.5	1.8	0.7	1.4	0.15	0.1
BLN17000D0	b T	3.0	3.5	1.5	1.8	0.7	1.4	0.15	0.1
BLN17003D0	b T	3.0	3.5	1.5	1.8	0.7	1.4	0.15	0.1
BLN17500D0	b U	3.0	3.5	1.5	1.8	0.7	1.4	0.15	0.1
BLN17503D0	b U	3.0	3.5	1.5	1.8	0.7	1.4	0.15	0.1

5. ELECTRICAL SPECIFICATIONS（电气特性）

Part NO.	V_{MAX} (V)	I_{MAX} (A)	I_H (A)	I_T (A)	P_D (W)	Maximum Time-to-Trip		Resistance		Approval
						Current (A)	Time (Sec)	Ri_{MIN} (Ω)	$R1_{MAX}$ (Ω)	cURus
Normal series：										
BNN00507D0	30.0	100	0.05	0.15	0.6	0.25	1.5	3.6	50.0	○
BNN00509D0	60.0	100	0.05	0.15	0.6	0.25	1.5	3.6	50.0	○
BNN01009D0	60.0	100	0.1	0.25	0.6	0.5	1.0	1.6	15.0	○
BNN01007D0	30.0	100	0.1	0.25	0.6	0.5	1.0	1.6	15.0	○
BNN01207D0	30.0	100	0.12	0.29	0.6	1.0	0.2	1.5	6.0	○
BNN01607F0	30.0	100	0.16	0.37	0.6	1.0	0.3	1.2	4.5	○
BNN02006F0	24.0	100	0.2	0.46	0.6	8.0	0.08	0.35	3.5	○
BNN02505F0	16.0	100	0.25	0.5	0.6	8.0	0.08	0.35	2.7	○
BNN02506F0	24.0	100	0.25	0.5	0.6	8.0	0.08	0.35	2.7	○
BNN03505F0	16.0	100	0.35	0.75	0.6	8.0	0.1	0.25	1.3	○
BNN03506F0	24.0	100	0.35	0.75	0.6	8.0	0.1	0.25	1.3	○
BNN05000F0	6.0	100	0.5	1.0	0.6	8.0	0.1	0.15	0.7	○
BNN05004F0	13.2	100	0.5	1.0	0.6	8.0	0.1	0.15	0.7	○
BNN05005F0	16.0	100	0.5	1.0	0.6	8.0	0.1	0.15	0.75	○
BNN05006D0	24.0	100	0.5	1.0	0.6	8.0	0.1	0.15	0.75	○
BNN07500F0	6.0	100	0.75	1.5	0.6	8.0	0.2	0.09	0.5	○
BNN07504F0	13.2	100	0.75	1.5	0.6	8.0	0.2	0.09	0.5	○
BNN07505D0	16.0	100	0.75	1.5	0.6	8.0	0.2	0.09	0.5	○
BNN11000F0	6.0	100	1.0	2.0	0.6	8.0	0.3	0.06	0.23	○
BNN11100F0	6.0	100	1.1	2.2	0.6	8.0	0.3	0.055	0.21	○
BNN11104D0	13.2	100	1.1	2.2	0.6	8.0	0.3	0.055	0.21	○

BNN11105D0	16.0	100	1.1	2.2	0.6	8.0	0.3	0.055	0.21	○
BNN11500D0	6.0	100	1.5	3.0	0.8	8.0	1.0	0.04	0.13	○
BNN12000D0	6.0	100	2.0	3.5	0.8	8.0	1.0	0.018	0.08	○
Low Resistance Series：										
BLN11500F0	6.0	50.0	1.5	3.0	0.8	8.0	5.0	0.01	0.065	○
BLN11503F0	12.0	50.0	1.5	3.0	0.8	8.0	5.0	0.01	0.065	○
BLN11750F0	6.0	50.0	1.75	3.5	0.8	8.0	5.0	0.01	0.06	○
BLN11753F0	12.0	50.0	1.75	3.5	0.8	8.0	5.0	0.01	0.06	○
BLN12000F0	6.0	50.0	2.0	4.0	0.8	8.0	5.0	0.008	0.04	○
BLN12003F0	12.0	50.0	2.0	4.0	0.8	8.0	5.0	0.008	0.04	○
BLN12600F0	6.0	50.0	2.6	5.2	0.8	8.0	5.0	0.004	0.026	○
BLN12603F0	12.0	50.0	2.6	5.2	0.8	8.0	5.0	0.004	0.026	○
BLN13000F0	6.0	50.0	3.0	6.0	0.8	8.0	5.0	0.004	0.02	○
BLN13003F0	12.0	50.0	3.0	6.0	0.8	8.0	5.0	0.004	0.02	○
BLN13500F0	6.0	50.0	3.5	7.0	1.0	17.5	2.0	0.004	0.018	○
BLN13503F0	12.0	50.0	3.5	7.0	1.0	17.5	2.0	0.004	0.018	○
BLN13800D0	6.0	50.0	3.8	7.6	1.0	19.0	2.0	0.004	0.016	○
BLN13803D0	12.0	50.0	3.8	7.6	1.0	19.0	2.0	0.004	0.016	○
BLN14000D0	6.0	50.0	4.0	8.0	1.0	20.0	2.0	0.004	0.014	○
BLN14003D0	12.0	50.0	4.0	8.0	1.0	20.0	2.0	0.004	0.014	○
BLN14500D0	6.0	50.0	4.5	9.0	1.0	22.5	2.0	0.002	0.012	○
BLN14503D0	12.0	50.0	4.5	9.0	1.0	22.5	2.0	0.002	0.012	○
BLN15000D0	6.0	50.0	5.0	10.0	1.0	25.0	2.0	0.002	0.011	○
BLN15003D0	12.0	50.0	5.0	10.0	1.0	25.0	2.0	0.002	0.011	○
BLN15500D0	6.0	50.0	5.5	11.0	1.2	27.5	2.0	0.002	0.01	○
BLN15503D0	12.0	50.0	5.5	11.0	1.2	27.5	2.0	0.002	0.01	○
BLN16000D0	6.0	50.0	6.0	12.0	1.2	30.0	2.0	0.002	0.009	○
BLN16003D0	12.0	50.0	6.0	12.0	1.2	30.0	2.0	0.002	0.009	○
BLN16500D0	6.0	50.0	6.5	13.0	1.2	32.5	2.0	0.001	0.009	○
BLN16503D0	12.0	50.0	6.5	13.0	1.2	32.5	2.0	0.001	0.009	○
BLN17000D0	6.0	50.0	7.0	14.0	1.2	35.0	2.0	0.001	0.008	○
BLN17003D0	12.0	50.0	7.0	14.0	1.2	35.0	2.0	0.001	0.008	○
BLN17500D0	6.0	50.0	7.5	15.0	1.2	37.5	2.0	0.001	0.007	○
BLN17503D0	12.0	50.0	7.5	15.0	1.2	37.5	2.0	0.001	0.007	○

Notes: the cURus is pending.

I_H: Hold current: Maximum current at which the device will not interrupt in 25℃ still air.

I_T: Trip current: Minimum current at which the device from low resistance to high resistance in 25℃ still air.

V_{MAX}: Maximum continuous voltage device can withstand without damage at rated current.

I_{MAX}: Maximum fault current device can withstand without damage at rated voltage.

Maximum Time-to-trip: Maximum time to trip at assigned current.

P_D: Typical power dissipation: Typical amount of power dissipated from the device when in 25℃ still air environment.

Ri_{MIN}: Minimum resistance of device at 25℃ prior to tripping.

$R1_{MAX}$: Maximum device resistance is measured one hour post reflow.

6. THERMAL DERATING CHART-I_H (A)（温度-电流折减）

Part NO.	Maximum ambient operating temperature (℃)								
	-40	-20	0	25	40	50	60	70	85
Normal series：									
BNN00507D0	0.09	0.08	0.06	0.05	0.04	0.035	0.03	0.025	0.015
BNN00509D0	0.09	0.08	0.06	0.05	0.04	0.035	0.03	0.025	0.015
BNN01009D0	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.03
BNN01007D0	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.03
BNN01207D0	0.18	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.05
BNN01607F0	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.09	0.08
BNN02006F0	0.28	0.25	0.23	0.20	0.17	0.15	0.14	0.12	0.09
BNN02505F0	0.37	0.33	0.29	0.25	0.22	0.20	0.17	0.15	0.12
BNN02506F0	0.37	0.33	0.29	0.25	0.22	0.20	0.17	0.15	0.12
BNN03505F0	0.50	0.45	0.40	0.35	0.30	0.27	0.24	0.21	0.15
BNN03506F0	0.50	0.45	0.40	0.35	0.30	0.27	0.24	0.21	0.15
BNN05000F0	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
BNN05004F0	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
BNN05005F0	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
BNN05006D0	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
BNN07500F0	1.14	1.01	0.88	0.75	0.65	0.59	0.54	0.49	0.41
BNN07504F0	1.14	1.01	0.88	0.75	0.65	0.59	0.54	0.49	0.41
BNN07505D0	1.14	1.01	0.88	0.75	0.65	0.59	0.54	0.49	0.41

BNN11000F0	1.55	1.35	1.13	1.00	0.90	0.80	0.70	0.62	0.50
BNN11100F0	1.64	1.46	1.30	1.10	0.92	0.83	0.80	0.65	0.52
BNN11104D0	1.64	1.46	1.30	1.10	0.92	0.83	0.80	0.65	0.52
BNN11105D0	1.64	1.46	1.30	1.10	0.92	0.83	0.80	0.65	0.52
BNN11500D0	2.20	1.99	1.77	1.50	1.34	1.23	1.10	1.01	0.84
BNN12000D0	2.60	2.44	2.35	2.00	1.78	1.67	1.50	1.45	1.10
Low Resistance Series：									
BLN11500F0	2.25	2.00	1.75	1.50	1.33	1.15	1.05	0.93	0.70
BLN11503F0	2.25	2.00	1.75	1.50	1.33	1.15	1.05	0.93	0.70
BLN11750F0	2.55	2.33	2.02	1.75	1.53	1.35	1.23	1.07	0.85
BLN11753F0	2.55	2.33	2.02	1.75	1.53	1.35	1.23	1.07	0.85
BLN12000F0	2.96	2.67	2.32	2.00	1.76	1.55	1.41	1.23	0.96
BLN12003F0	2.96	2.67	2.32	2.00	1.76	1.55	1.41	1.23	0.96
BLN12600F0	3.85	3.47	3.02	2.60	2.29	2.01	1.84	1.59	1.25
BLN12603F0	3.85	3.47	3.02	2.60	2.29	2.01	1.84	1.59	1.25
BLN13000F0	4.44	4.00	3.48	3.00	2.64	2.32	2.12	1.84	1.44
BLN13003F0	4.44	4.00	3.48	3.00	2.64	2.32	2.12	1.84	1.44
BLN13500F0	5.18	4.67	4.06	3.50	3.08	2.71	2.47	2.15	1.68
BLN13503F0	5.18	4.67	4.06	3.50	3.08	2.71	2.47	2.15	1.68
BLN13800D0	5.62	5.07	4.41	3.80	3.34	2.94	2.68	2.33	1.82
BLN13803D0	5.62	5.07	4.41	3.80	3.34	2.94	2.68	2.33	1.82
BLN14000D0	5.92	5.33	4.64	4.00	3.52	3.09	2.83	2.45	1.92
BLN14003D0	5.92	5.33	4.64	4.00	3.52	3.09	2.83	2.45	1.92
BLN14500D0	6.66	6.00	5.22	4.50	3.96	3.48	3.17	2.76	2.16
BLN14503D0	6.66	6.00	5.22	4.50	3.96	3.48	3.17	2.76	2.16
BLN15000D0	7.40	6.67	5.80	5.00	4.40	3.87	3.53	3.07	2.40
BLN15003D0	7.40	6.67	5.80	5.00	4.40	3.87	3.53	3.07	2.40
BLN15500D0	8.14	7.34	6.38	5.50	4.84	4.26	3.88	3.38	2.64
BLN15503D0	8.14	7.34	6.38	5.50	4.84	4.26	3.88	3.38	2.64
BLN16000D0	8.65	7.91	6.93	6.00	5.23	4.45	4.00	3.63	2.85
BLN16003D0	8.65	7.91	6.93	6.00	5.23	4.45	4.00	3.63	2.85
BLN16500D0	9.20	8.45	7.45	6.50	5.60	4.65	4.30	3.89	3.00
BLN16503D0	9.20	8.45	7.45	6.50	5.60	4.65	4.30	3.89	3.00
BLN17000D0	9.84	9.00	7.95	7.00	5.96	4.95	4.50	4.16	3.20
BLN17003D0	9.84	9.00	7.95	7.00	5.96	4.95	4.50	4.16	3.20
BLN17500D0	10.5	9.65	8.50	7.50	6.40	5.30	4.80	4.45	4.42

BLN17503D0	10.5	9.65	8.50	7.50	6.40	5.30	4.80	4.45	4.42

7. PHYSICAL CHARACTERISTICS（物理特性）

Terminal Materials	Tin-Plated Nickle-copper
Soldering Zone	Meets EIA specification RS 186-9E and ANSI/J-STD-002 Category 3.
Moisture Sensitivity	Level 2a, per IPC/JEDEC J-STD 020C

8. TEST PROCEDURES AND REQUIREMENTS（测试项目及要求）

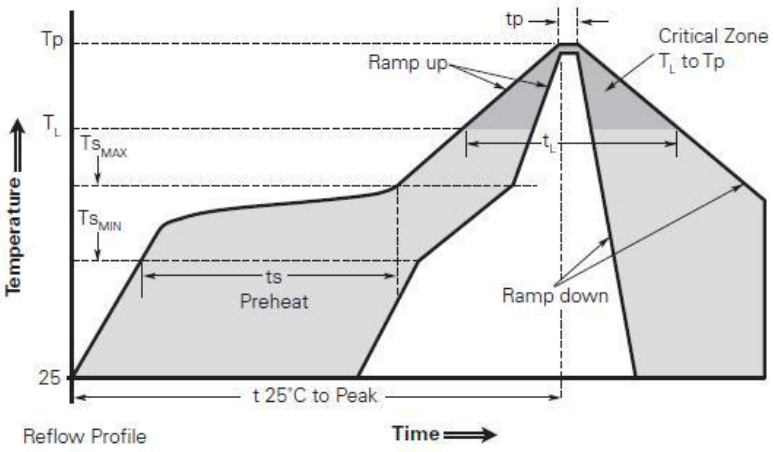
Test Item	Test Conditions	Accept/Reject Criteria
Initial Resistance	In still air at 25℃	$Ri_{MIN} \le R \le R1_{MAX}$
Time to Trip	Specified current, V_{MAX}, 25℃	T≤Maximum Time to Trip
Holding Current	30min, at I_H, 25℃	No trip
Trip Endurance	V_{MAX}, I_{MAX}, 1 hour	No arcing or burning

9. ENVIRONMENTAL SPECIFICATIONS（环境特性）

Test Item	Test Conditions	Resistance Change
Passive Aging	85℃,1000 hours	±10% typical
Humidity Aging	85℃/85%RH.100 hours	±5% typical
Thermal Shock	MIL-STD-202,Method 107G +85℃/-40℃,20 times	-30% typical
Solvent Resistance	MIL-STD-202,Method 215	No change
Vibration	ML-STD-883C,Test Condition A	No change

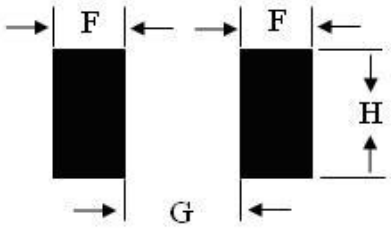
10. SOLDER REFLOW PROFILES（回流焊焊接曲线）

Profile Feature	Pb-Free Assembly
Average ramp up rate(Ts_{MAX} to Tp)	℃/second max.
Preheat	
●Temperature min.(Ts_{MIN})	150℃
●Temperature max.(Ts_{MAX})	200℃
●Time(ts_{MIN} to ts_{MAX})	60-120 seconds
Time maintained above:	
●Temperature(T_L)	217℃
●Time(t_L)	60-150 seconds
Peak/Classification temperature (T_P)	260℃
Time within 5℃ of actual peak temperature	
Time (t_P)	30 seconds max.
Ramp down rate	3℃/second max.
Time 25℃ to peak temperature	8 minutes max.



11. RECOMMENDED SOLDER PAD LAYOUT DIMENSIONS (mm)（焊盘尺寸）

Device	F	G	H
	Normal Value		
BN/L-N series	1.0	1.8	1.8



Recommended reflow methods: IR, vapor phase oven, hot air oven, N2 environment for lead-free.

Devices are not designed to be wave soldered to the bottom side of the board.

Recommended maximum paste thickness is 0.25mm (0.010inch).

Devices can be cleaned using standard industry methods and solvents.

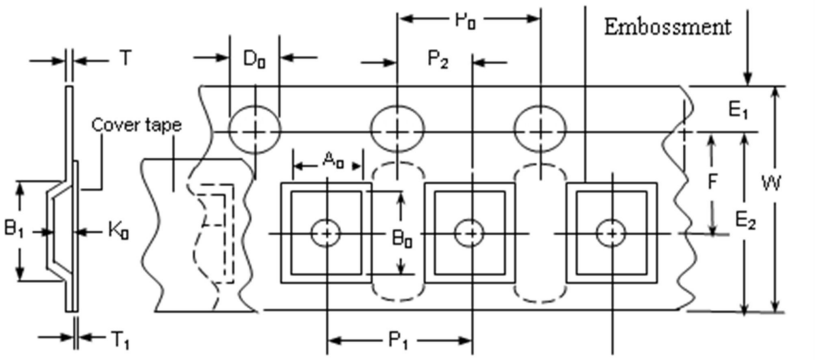
Note 1: All temperature refer to topside of the package, measured on the package body surface.

Note 2: If reflow temperature exceed the recommended profile, devices may not meet the performance requirements.

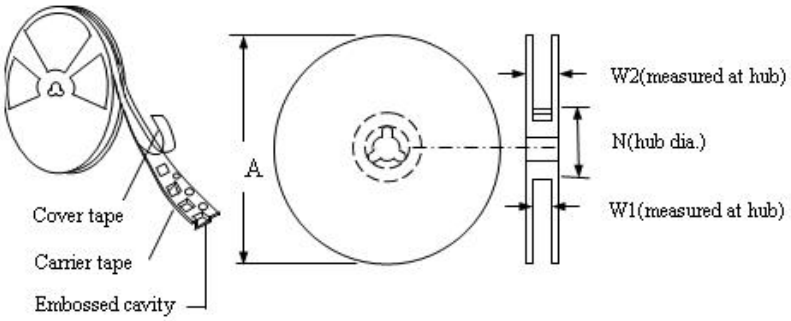
12. PACKING INFORMATION（包装信息）

Coverning Specifications EIA 481-1	
W	8.15+0.15/-0.3
P_0	4.0 ± 0.10
P_1	4.0± 0.10
P_2	2.0 ± 0.05
A_0	1.95 ± 0.10
B_0	3.65 ± 0.10
D_0	1.55± 0.05
F	3.50± 0.05
E_1	1.75 ± 0.10
T	0.20± 0.10
Leader min.	390
Trailer min.	160
Reel Dimensions	
A	178±1.0
N	59±1
W_1	8.5+1.0/-0.2
W_2	12.0±1

EIA Tape Component Dimentions



EIA Reel Dimentions



13.ORDERING INFORMATION（订单信息）

The following information are necessary in order to place your order with us correctly:

Series	Amp Code	Supplementary Code	Qty
BN/L-N series			

14. STORAGE（储存）

- The maximum ambient temperature shall not exceed 40℃.Storage temperatures higher than 40℃could result in the deformation of packaging materials. The maximum relative humidity recommended for storage is 70%. High humidity with high temperature can accelerate the oxidation the oxidation of the solder plating on the termination and reduce the solderability of the components. Sealed plastic bags with desiccant shall be used to reduce the oxidation of the termination and shall only be opened prior to use, the products shall not be stored in areas where harmful gases containing sulfur of chlorine are present.

15. WARING（警告）

- Use PPTC beyond the maximum ratings or improper use may result in device damage, electrical arcing and flame.
- PPTC are intended for protection against occasional over current or over temperature fault conditions and should not be used when repeated fault conditions or prolonged trip events are anticipated.
- Device performance can be impacted negatively if devices are handled in a manner inconsistent with recommended electronic, thermal, and mechanical procedures for electronic components.
- Use PPTC with a large inductance in circuit will generate a circuit voltage above the rated voltage of the PPTC.
- Avoid impact PPTC device its thermal expansion like placed under pressure or installed in limited space.
- Contamination of the PPTC material with certain silicon based oils or some aggressive solvents can adversely impact the performance of the devices. PPTC can be cleaned by standard methods.
- Requests that customers comply with our recommended solder pad layouts and recommended reflow profile. Improper board layouts or reflow profile could negatively impact solderability performance of our devices.