

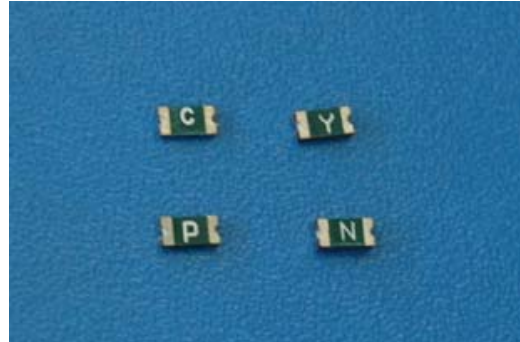
LP-NSM(L) Series

Surface-mount devices

Features

- ✧ Small size of 1206
- ✧ Fast tripping resettable circuit protection
- ✧ Surface mount packaging for automated assembly
- ✧ Agency recognition: UL、CSA、TUV

✧

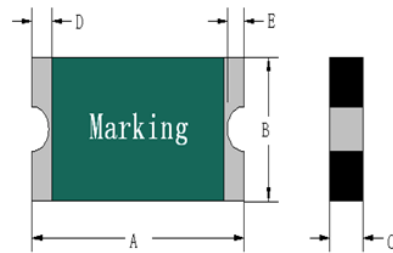


Product Dimensions

Size 3216mm/1206mils

Part number	A	B	C	D	E
	Max.	Max.	Max.	Min.	Min.
LP-NSM005	3.50	1.80	0.85	0.25	0.10
LP-NSM012	3.50	1.80	0.85	0.25	0.10
LP-NSM016	3.50	1.80	0.85	0.25	0.10
LP-NSM020	3.50	1.80	0.85	0.25	0.10
LP-NSM020/24	3.50	1.80	0.85	0.25	0.10
LP-NSM025/16	3.50	1.80	0.85	0.25	0.10
LP-NSM025/24	3.50	1.80	0.85	0.25	0.10
LP-NSM035	3.50	1.80	0.85	0.25	0.10
LP-NSM035/16	3.50	1.80	0.85	0.25	0.10
LP-NSM035/24	3.50	1.80	0.85	0.25	0.10
LP-NSM050	3.50	1.80	0.85	0.25	0.10
LP-NSM050/16	3.50	1.80	0.85	0.25	0.10
LP-NSM050/24	3.50	1.80	1.30	0.25	0.10
LP-NSM075	3.50	1.80	1.00	0.25	0.10
LP-NSM075/8	3.50	1.80	1.00	0.25	0.10
LP-NSM075/16	3.50	1.80	1.30	0.25	0.10
LP-NSM090/8	3.50	1.80	1.00	0.25	0.10
LP-NSM100/8	3.50	1.80	1.30	0.25	0.10
LP-NSM110	3.50	1.80	1.30	0.25	0.10
LP-NSM110/8	3.50	1.80	1.30	0.25	0.10
LP-NSML110/8	3.50	1.80	1.30	0.25	0.10
LP-NSM125/8	3.50	1.80	1.30	0.25	0.10
LP-NSM150	3.50	1.80	1.30	0.25	0.10
LP-NSM150/8	3.50	1.80	1.30	0.25	0.10
LP-NSML150	3.50	1.80	0.70	0.25	0.10

Part number	A	B	C	D	E
	Max.	Max.	Max.	Min.	Min.
LP-NSML150/8	3.50	1.80	0.70	0.25	0.10
LP-NSML175	3.50	1.80	0.70	0.25	0.10
LP-NSM175/8	3.50	1.80	1.70	0.25	0.10
LP-NSML175/12	3.50	1.80	1.70	0.25	0.10
LP-NSM200/8	3.50	1.80	1.70	0.25	0.10
LP-NSML200	3.50	1.80	0.70	0.25	0.10
LP-NSML200/8	3.50	1.80	0.70	0.25	0.10
LP-NSML200/12	3.50	1.80	0.70	0.25	0.10
LP-NSML260	3.50	1.80	0.70	0.25	0.10
LP-NSML260/12	3.50	1.80	0.70	0.25	0.10
LP-NSML300	3.50	1.80	0.70	0.25	0.10
LP-NSML300/12	3.50	1.80	0.70	0.25	0.10
LP-NSML350	3.50	1.80	0.70	0.25	0.10
LP-NSML350/12	3.50	1.80	0.70	0.25	0.10
LP-NSML380	3.50	1.80	0.70	0.25	0.10
LP-NSML380/12	3.50	1.80	0.70	0.25	0.10
LP-NSML400	3.50	1.80	1.00	0.25	0.10
LP-NSML400/12	3.50	1.80	1.00	0.25	0.10
LP-NSML450	3.50	1.80	1.00	0.25	0.10
LP-NSML450/12	3.50	1.80	1.00	0.25	0.10
LP-NSML500	3.50	1.80	1.00	0.25	0.10
LP-NSML550	3.50	1.80	1.00	0.25	0.10
LP-NSML600	3.50	1.80	1.00	0.25	0.10
LP-NSML650	3.50	1.80	1.40	0.25	0.10
LP-NSML700	3.50	1.80	1.40	0.25	0.10



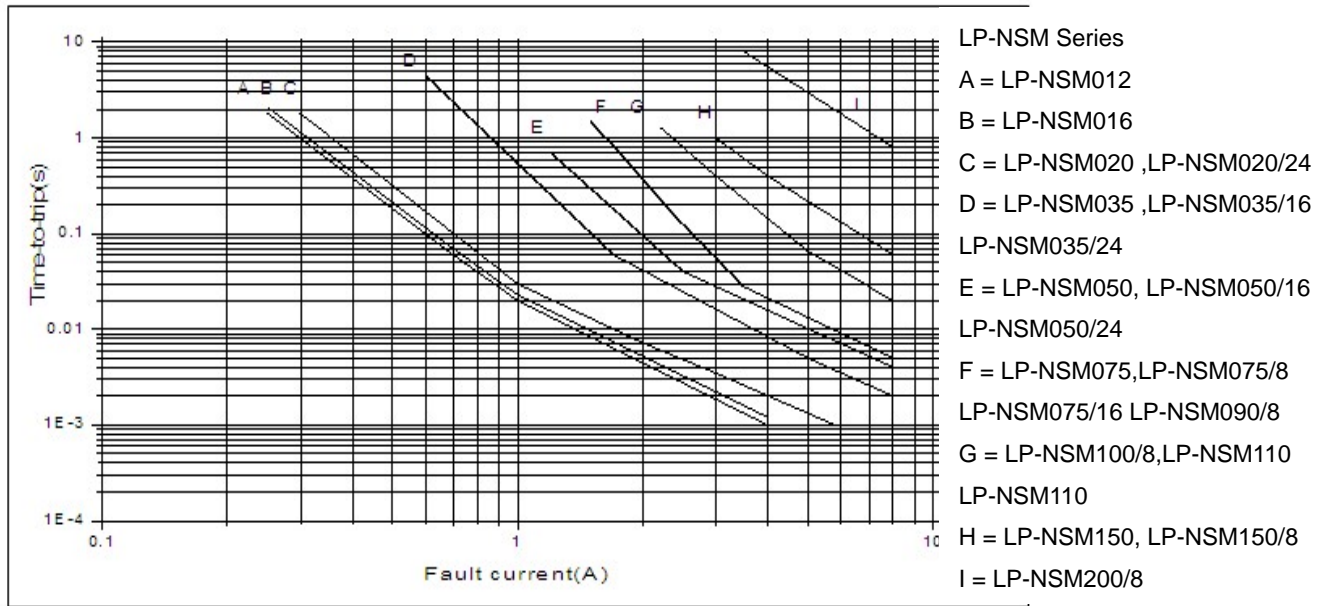
Thermal Derating Chart-IH(A)

Size 3216mm/1206mils

Part number	Maximum ambient operating temperatures(°C)									
	-40	-20	0	20	25	40	50	60	70	85
LP-NSM005	0.09	0.08	0.06	0.05	0.05	0.04	0.036	0.033	0.029	0.02
LP-NSM012	0.19	0.16	0.14	0.13	0.125	0.10	0.09	0.08	0.07	0.04
LP-NSM016	0.25	0.20	0.18	0.16	0.16	0.14	0.12	0.11	0.09	0.06
LP-NSM020	0.31	0.26	0.22	0.21	0.20	0.18	0.16	0.15	0.13	0.07
LP-NSM020/24	0.31	0.26	0.22	0.21	0.20	0.18	0.16	0.15	0.13	0.07

Part number	Maximum ambient operating temperatures(°C)									
	-40	-20	0	20	25	40	50	60	70	85
LP-NSM025/16	0.38	0.33	0.28	0.26	0.25	0.23	0.20	0.19	0.16	0.10
LP-NSM025/24	0.38	0.33	0.28	0.26	0.25	0.23	0.20	0.19	0.16	0.10
LP-NSM035	0.51	0.46	0.39	0.36	0.35	0.30	0.27	0.26	0.20	0.16
LP-NSM035/16	0.51	0.46	0.39	0.36	0.35	0.30	0.27	0.26	0.20	0.16
LP-NSM035/24	0.51	0.46	0.39	0.36	0.35	0.30	0.27	0.26	0.20	0.16
LP-NSM050	0.77	0.64	0.56	0.52	0.50	0.45	0.40	0.35	0.32	0.23
LP-NSM050/16	0.77	0.64	0.56	0.52	0.50	0.45	0.40	0.35	0.32	0.23
LP-NSM050/24	0.77	0.64	0.56	0.52	0.50	0.45	0.40	0.35	0.32	0.23
LP-NSM075	1.12	1.01	0.88	0.78	0.75	0.66	0.58	0.53	0.46	0.33
LP-NSM075/8	1.12	1.01	0.88	0.78	0.75	0.66	0.58	0.53	0.46	0.33
LP-NSM075/16	1.12	1.01	0.88	0.78	0.75	0.66	0.58	0.53	0.46	0.33
LP-NSM090/8	1.39	1.15	1.01	0.93	0.90	0.81	0.71	0.63	0.58	0.41
LP-NSM100/8	1.54	1.28	1.13	1.04	1.00	0.90	0.81	0.70	0.62	0.45
LP-NSM110	1.61	1.44	1.27	1.12	1.10	0.94	0.85	0.77	0.63	0.48
LP-NSM110/8	1.61	1.44	1.27	1.12	1.10	0.94	0.85	0.77	0.63	0.48
LP-NSML110/8	1.61	1.44	1.27	1.12	1.10	0.94	0.85	0.77	0.63	0.48
LP-NSM125/8	1.93	1.60	1.40	1.30	1.25	1.13	1.00	0.88	0.80	0.58
LP-NSM150	2.03	1.80	1.63	1.55	1.50	1.24	1.11	1.03	0.88	0.69
LP-NSM150/8	2.03	1.80	1.63	1.55	1.50	1.24	1.11	1.03	0.88	0.69
LP-NSML150	2.01	1.77	1.62	1.53	1.50	1.22	1.12	1.04	0.87	0.61
LP-NSML150/8	2.03	1.80	1.63	1.55	1.50	1.24	1.11	1.03	0.88	0.69
LP-NSML175	2.34	2.05	1.89	1.80	1.75	1.44	1.31	1.20	1.00	0.72
LP-NSM175/8	2.34	2.05	1.89	1.80	1.75	1.44	1.31	1.20	1.00	0.72
LP-NSML175/12	2.34	2.05	1.89	1.80	1.75	1.44	1.31	1.20	1.00	0.72
LP-NSM200/8	2.68	2.33	2.15	2.03	2.00	1.66	1.49	1.37	1.44	0.80
LP-NSML200	2.68	2.33	2.15	2.03	2.00	1.66	1.49	1.37	1.44	0.80
LP-NSML200/8	2.68	2.33	2.15	2.03	2.00	1.66	1.49	1.37	1.44	0.80
LP-NSML200/12	6.74	5.11	4.47	4.21	4.00	3.37	2.95	2.62	2.16	1.51
LP-NSML260	3.49	3.05	2.82	2.63	2.60	2.15	1.93	1.78	1.49	1.04
LP-NSML260/12	3.49	3.05	2.82	2.63	2.60	2.15	1.93	1.78	1.49	1.04
LP-NSML300	4.03	3.51	3.26	3.04	3.00	2.49	2.23	2.06	1.71	1.20
LP-NSML300/12	4.03	3.51	3.26	3.04	3.00	2.49	2.23	2.06	1.71	1.20
LP-NSML350	4.70	4.10	3.80	3.55	3.50	2.90	2.60	2.40	2.00	1.40
LP-NSML350/12	4.70	4.10	3.80	3.55	3.50	2.90	2.60	2.40	2.00	1.40
LP-NSML380	6.40	4.85	4.25	4.00	3.80	3.20	2.80	2.49	2.05	1.43
LP-NSML380/12	6.40	4.85	4.25	4.00	3.80	3.20	2.80	2.49	2.05	1.43
LP-NSML400	6.74	5.11	4.47	4.21	4.00	3.37	2.95	2.62	2.16	1.51
LP-NSML400/12	6.74	5.11	4.47	4.21	4.00	3.37	2.95	2.62	2.16	1.51
LP-NSML450	6.85	5.92	5.47	4.72	4.50	3.73	3.34	3.00	2.35	1.55
LP-NSML450/12	6.85	5.92	5.47	4.72	4.50	3.73	3.34	3.00	2.35	1.55
LP-NSML500	7.30	6.34	5.66	5.07	5.00	4.42	3.85	3.47	3.12	2.38
LP-NSML550	8.03	6.97	6.32	5.58	5.50	4.86	4.24	3.82	3.43	2.62
LP-NSML600	8.46	7.60	6.75	6.09	6.00	5.15	4.25	4.00	3.44	2.86
LP-NSML650	9.15	8.20	7.30	6.58	6.50	5.58	4.62	4.20	3.75	3.12
LP-NSML700	9.80	8.78	7.85	7.07	7.00	5.95	4.95	4.50	4.00	3.30

Typical Time-to-Trip Charts at 25°C



Electrical Characteristics at 25°C

Size 3216mm/1206mils

Part number	I_H (A)	I_T (A)	V_{max} (V)	I_{max} (A)	Max.Time-to-trip (A)	(S)	Pdtyp (W)	R_{min} (Ω)	R_{1max} (Ω)
LP-NSM005	0.05	0.15	60	10	1.00	1.20	0.6	2.000	50.000
LP-NSM012	0.125	0.29	30	20	1.00	0.20	0.6	1.500	6.000
LP-NSM016	0.16	0.37	30	20	1.00	0.30	0.6	1.200	4.500
LP-NSM020	0.20	0.40	16	40	8.00	0.05	0.6	0.600	2.500
LP-NSM020/24	0.20	0.40	24	40	8.00	0.05	0.6	0.600	2.500
LP-NSM025/16	0.25	0.50	16	40	8.00	0.08	0.6	0.550	2.300
LP-NSM025/24	0.25	0.50	24	40	8.00	0.08	0.6	0.550	2.300
LP-NSM035	0.35	0.75	6	40	8.00	0.10	0.6	0.300	1.200
LP-NSM035/16	0.35	0.75	16	40	8.00	0.10	0.6	0.300	1.200
LP-NSM035/24	0.35	0.75	24	40	8.00	0.10	0.6	0.300	1.200
LP-NSM050	0.50	1.00	6	40	8.00	0.10	0.6	0.150	0.700
LP-NSM050/16	0.50	1.00	16	40	8.00	0.10	0.6	0.150	0.700
LP-NSM050/24	0.50	1.00	24	40	8.00	0.10	0.6	0.150	0.700
LP-NSM075	0.75	1.50	6	40	8.00	0.20	0.6	0.100	0.290
LP-NSM075/8	0.75	1.50	8	40	8.00	0.20	1.2	0.100	0.290
LP-NSM075/16	0.75	1.50	16	40	8.00	0.20	1.2	0.100	0.290
LP-NSM090/8	0.90	1.80	8	40	8.00	0.20	1.2	0.080	0.260
LP-NSM100/8	1.00	2.00	8	40	8.00	0.30	1.2	0.060	0.230
LP-NSM110	1.10	2.20	6	40	8.00	0.30	0.6	0.055	0.210
LP-NSM110/8	1.10	2.20	8	40	8.00	0.30	1.2	0.055	0.210
LP-NSML110/8	1.10	2.20	8	50	8.00	0.30	1.2	0.015	0.100
LP-NSM125/8	1.25	2.50	8	40	8.00	0.40	1.2	0.050	0.180
LP-NSM150	1.50	3.00	6	40	8.00	1.00	0.6	0.040	0.120
LP-NSM150/8	1.50	3.00	8	40	8.00	1.00	1.2	0.040	0.120

Part number	I_H	I_T	V_{max}	I_{max}	Max.Time-to-trip		P_{dtyp}	R_{min}	R_{1max}
	(A)	(A)	(V)	(A)	(A)	(S)	(W)	(Ω)	(Ω)
LP-NSML150	1.50	3.00	6	50	8.00	5.00	1.2	0.010	0.065
LP-NSML150/8	1.50	3.00	8	50	8.00	5.00	1.2	0.010	0.065
LP-NSML150/12	1.50	3.00	12	50	8.00	5.00	1.2	0.010	0.065
LP-NSML175	1.75	3.50	6	50	8.00	5.00	1.2	0.010	0.060
LP-NSM175/8	1.75	3.50	8	40	8.00	5.00	1.2	0.010	0.060
LP-NSML175/12	1.75	3.50	12	40	8.00	5.00	1.2	0.010	0.060
LP-NSM200/8	2.00	4.00	8	40	8.00	5.00	1.2	0.008	0.040
LP-NSML200	2.00	4.00	6	50	8.00	5.00	1.2	0.008	0.040
LP-NSML200/8	2.00	4.00	8	50	8.00	5.00	1.2	0.008	0.040
LP-NSML200/12	2.00	4.00	12	50	8.00	5.00	1.2	0.008	0.040
LP-NSML260	2.60	5.20	6	50	8.00	5.00	1.2	0.004	0.025
LP-NSML260/12	2.60	5.20	12	50	8.00	5.00	1.2	0.004	0.025
LP-NSML300	3.00	6.00	6	50	8.00	5.00	1.5	0.004	0.020
LP-NSML300/12	3.00	6.00	12	50	8.00	5.00	1.5	0.004	0.020
LP-NSML350	3.50	7.00	6	50	8.00	5.00	1.5	0.004	0.018
LP-NSML350/12	3.50	7.00	12	50	8.00	5.00	1.5	0.004	0.018
LP-NSML380	3.80	7.60	6	50	8.00	5.00	1.5	0.004	0.016
LP-NSML380/12	3.80	7.60	12	50	8.00	5.00	1.5	0.004	0.016
LP-NSML400	4.00	8.00	6	50	8.00	5.00	1.5	0.004	0.014
LP-NSML400/12	4.00	8.00	12	50	8.00	5.00	1.5	0.004	0.014
LP-NSML450	4.50	9.00	6	50	22.50	5.00	1.5	0.002	0.012
LP-NSML450/12	4.50	9.00	12	50	22.50	5.00	1.5	0.002	0.012
LP-NSML500	5.00	10.00	6	50	25.00	5.00	1.5	0.002	0.011
LP-NSML550	5.50	11.00	6	50	27.50	5.00	1.5	0.002	0.010
LP-NSML600	6.00	12.00	6	50	30.00	5.00	1.5	0.002	0.009
LP-NSML650	6.50	13.00	6	50	32.50	5.00	1.5	0.001	0.009
LP-NSML700	7.00	14.00	6	50	35.00	5.00	1.5	0.001	0.008

I_H =Hold current: maximum current at which the device will not trip at 25°C still air.

I_T =Trip current: minimum current at which the device will always trip at 25°C still air.

V_{max} =Maximum voltage device can withstand without damage at rated current.

I_{max} =Maximum fault current device can withstand without damage at rated voltage.

T_{trip} =Maximum time to trip at assigned current.

P_{dtyp} =Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R_{min} =Minimum device resistance at 25°C prior to tripping.

R_{1max} =Maximum device resistance measured in the nontripped state 1 hour post reflow.

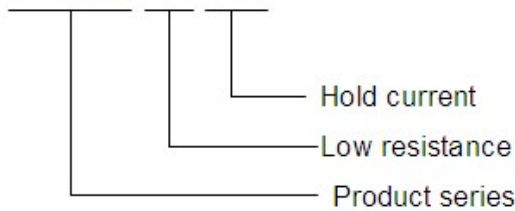
Marking System



Part identification

Part Numbering System

LP-NSM L 350



Hold current

Low resistance

Product series

Test Procedures And Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25°C	$R_{min} \leq R \leq R_{max}$
Time to Trip	Specified current, V_{max} , 25°C	$T \leq$ maximum Time to Trip
Hold Current	30min, at I_H	No trip
Trip Cycle Life	V_{max} , I_{max} , 100cycles	No arcing or burning
Trip Endurance	V_{max} , 24hours	No arcing or burning

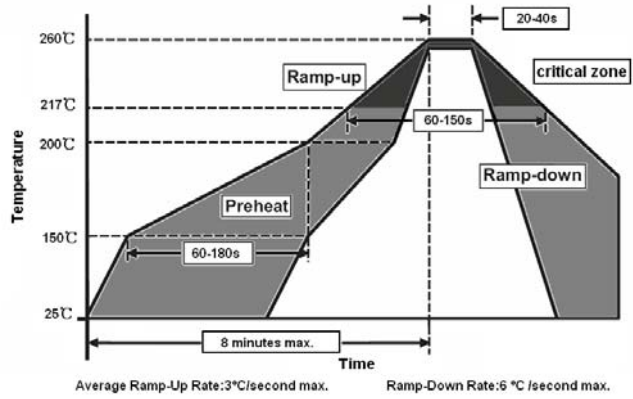
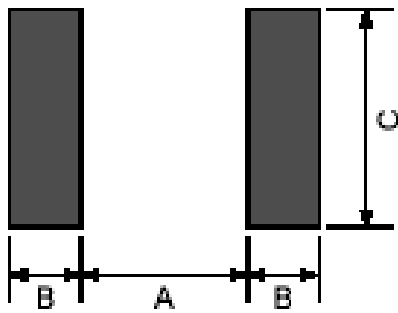
Packaging and Marking Information

Size 3216mm/1206 mils

Part number	Tape & Reel Quantity	Tape spc code	Part Marking	Recommended Pad Layout Figures[mm(In.)]						Agency Recognition
				Dimension		Dimension		Dimension		
				A(Nom.)		B(Nom.)		C(Nom.)		
LP-NSM005	4000	1206A	/	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL Pending
LP-NSM012	4000	1206A	P	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM016	4000	1206A	T	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM020	4000	1206A	C	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM020/24	4000	1206A	C	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM025/16	4000	1206A	G	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM025/24	4000	1206A	G	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM035	4000	1206A	W	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM035/16	4000	1206A	W	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM035/24	4000	1206A	W	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM050	4000	1206A	A	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM050/16	4000	1206A	A	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM050/24	4000	1206A	A	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA

Part number	Tape & Reel Quantity	Tape spc code	Part Marking	Recommended Pad Layout Figures[mm(In.)]						Agency Recognition
				Dimension		Dimension		Dimension		
				A(Nom.)		B(Nom.)		C(Nom.)		
LP-NSM075	4000	1206A	Y	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM075/8	4000	1206A	Y	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM075/16	3500	1206B	Y	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM090/8	4000	1206A	S	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM100/8	3500	1206B	M	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM110	3500	1206B	O	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM110/8	3500	1206B	O	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML110/8	4000	1206A	O	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM125/8	3500	1206B	Z	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM150	3500	1206B	N	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM150/8	3500	1206B	N	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML150	4000	1206A	I	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML150/8	4000	1206A	I	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML150/12	4000	1206A	I	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML175	4000	1206A	J	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSM175/8	4000	1206A	J	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML175/12	4000	1206A	J	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSM200/8	4000	1206A	F	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML200	4000	1206A	F	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML200/8	4000	1206A	F	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML200/12	4000	1206A	F	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML260	4000	1206A	K	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML260/12	4000	1206A	K	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML300	4000	1206A	R	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML300/12	4000	1206A	R	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML350	4000	1206A	E	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML350/12	4000	1206A	E	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML380	4000	1206A	H	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML380/12	4000	1206A	H	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML400	4000	1206A	L4	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML400/12	4000	1206A	L4	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML450	4000	1206A	L6	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML450/12	4000	1206A	L6	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
LP-NSML500	4000	1206A	Q	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML550	4000	1206A	L5	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML600	4000	1206A	L7	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML650	4000	1206A	L65	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
LP-NSML700	4000	1206A	L70	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV

Solder Pad Layouts



* Recommended reflow methods: IR, Vapor phase oven, hot air oven, wave solder.

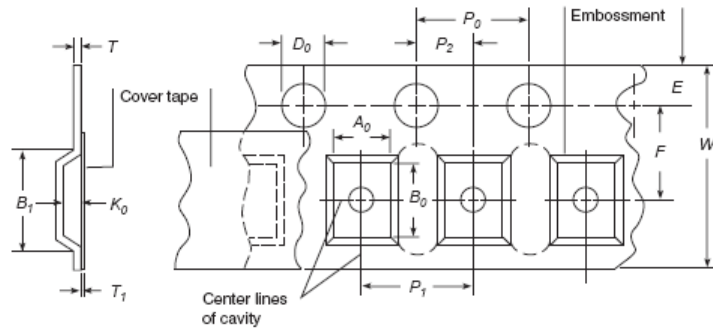
* Devices can be cleaned using standard industry methods and solvents.

Notes:

If reflow temperatures exceed the recommended profile, devices may not meet the performance requirements.

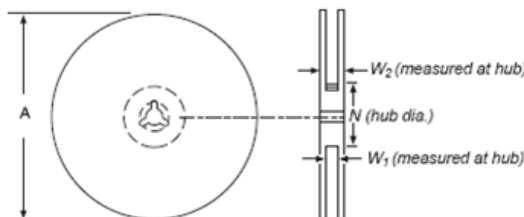
Tape Specification And Reel Dimensions

Tape spc code	W	P0	P1	P2	A	B	D	F	E	T	K
1206(A)	8.00± 0.20	4.00± 0.10	4.00± 0.10	2.00± 0.05	1.77± 0.10	3.40± 0.10	1.55± 0.05	3.50± 0.10	1.75± 0.10	0.22± 0.05	1.04± 0.10
1206(B)	8.00± 0.20	4.00± 0.10	4.00± 0.10	2.00± 0.05	1.77± 0.10	3.40± 0.10	1.55± 0.05	3.50± 0.10	1.75± 0.10	0.22± 0.05	1.26± 0.10



Reel Dimensions

Tape spc code	A	N	W1	W2
1206(A)	180+0/-1.5	60+1/-0	9.0+1/-0	13.0+1/-0
1206(B)	180+0/-1.5	60+1/-0	9.0+1/-0	13.0+1/-0



Storage

The maximum ambient temperature shall not exceed 40°C. Storage temperatures higher than 40°C 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 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 or chlorine are present.

Warning:

PPTC devices are intended for protection against occasional over-current or over-temperature fault conditions, and should not be used when repeated fault conditions are anticipated. Operation beyond maximum ratings or improper use may result in device damage and possible electrical arcing and flame.

Notes:

The specification is intended to present application, product and technical data to assist the user in selecting PPTC circuit production devices. However, users should independently evaluate and test the suitability of each product. Wayon makes no warranties as to the accuracy or completeness of the information and disclaims any liability resulting from its use. Wayon's only obligations are those in the Wayon Standard Terms and Conditions of Sale and in no case will Wayon be liable for any incidental, indirect, or consequential damages arising from the sale, resale, or misuse of its products. Wayon reserves the right to change or update, without notice, any information contained in this specification.