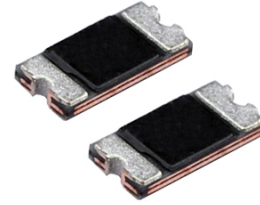


Features

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

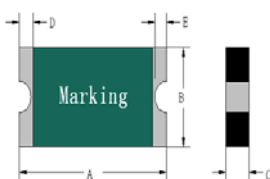


Product Dimensions

Size 3216mm/1206mils

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

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



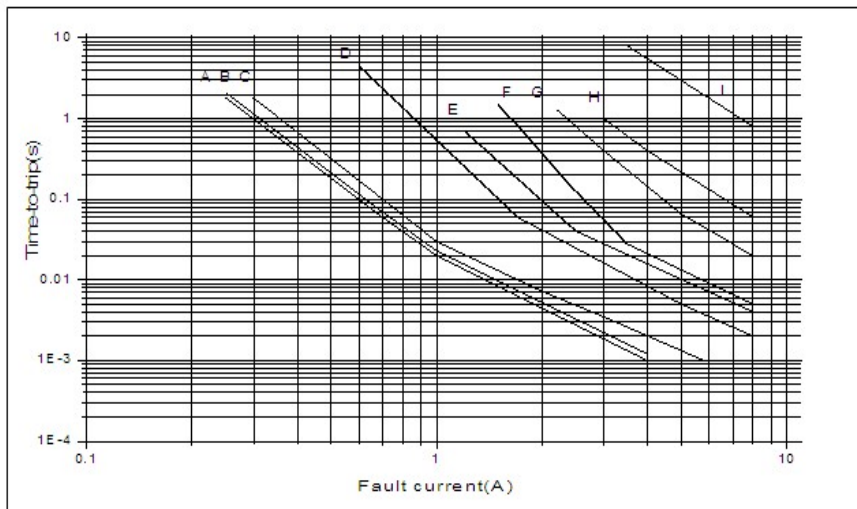
Thermal Derating Chart-IH(A)

Size 3216mm/1206mils

Part number	Maximum ambient operating temperatures(°C)									
	-40	-20	0	20	25	40	50	60	70	85
DW-NSM005	0.09	0.08	0.06	0.05	0.05	0.04	0.036	0.033	0.029	0.02
DW-NSM012	0.19	0.16	0.14	0.13	0.125	0.10	0.09	0.08	0.07	0.04
DW-NSM016	0.25	0.20	0.18	0.16	0.16	0.14	0.12	0.11	0.09	0.06
DW-NSM020	0.31	0.26	0.22	0.21	0.20	0.18	0.16	0.15	0.13	0.07
DW-NSM020/24	0.31	0.26	0.22	0.21	0.20	0.18	0.16	0.15	0.13	0.07
DW-NSM025/16	0.38	0.33	0.28	0.26	0.25	0.23	0.20	0.19	0.16	0.10

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



DW-NSM Series

A = DW-NSM012

B = DW-NSM016

C = DW-NSM020 ,DW-NSM020/24

D = DW-NSM035 ,DW-NSM035/16, DW-NSM035/24

E = DW-NSM050, DW-NSM050/16, DW-NSM050/24

F = DW-NSM075,DW-NSM075/8, DW-NSM075/16

DW-NSM090/8

G = DW-NSM100/8,DW-NSM110, DW-NSM110

H = DW-NSM150, DW-NSM150/8

I = DW-NSM200/8

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)	Pd _{typ} (W)	R_{min} (Ω)	R_{1max} (Ω)
DW-NSM005	0.05	0.15	60	10	1.00	1.20	0.6	2.000	50.000
DW-NSM012	0.125	0.29	30	20	1.00	0.20	0.6	1.500	6.000
DW-NSM016	0.16	0.37	30	20	1.00	0.30	0.6	1.200	4.500
DW-NSM020	0.20	0.40	16	40	8.00	0.05	0.6	0.600	2.500
DW-NSM020/24	0.20	0.40	24	40	8.00	0.05	0.6	0.600	2.500
DW-NSM025/16	0.25	0.50	16	40	8.00	0.08	0.6	0.550	2.300
DW-NSM025/24	0.25	0.50	24	40	8.00	0.08	0.6	0.550	2.300
DW-NSM035	0.35	0.75	6	40	8.00	0.10	0.6	0.300	1.200
DW-NSM035/16	0.35	0.75	16	40	8.00	0.10	0.6	0.300	1.200
DW-NSM035/24	0.35	0.75	24	40	8.00	0.10	0.6	0.300	1.200
DW-NSM050	0.50	1.00	6	40	8.00	0.10	0.6	0.150	0.700
DW-NSM050/16	0.50	1.00	16	40	8.00	0.10	0.6	0.150	0.700
DW-NSM050/24	0.50	1.00	24	40	8.00	0.10	0.6	0.150	0.700
DW-NSM075	0.75	1.50	6	40	8.00	0.20	0.6	0.100	0.290
DW-NSM075/8	0.75	1.50	8	40	8.00	0.20	1.2	0.100	0.290
DW-NSM075/16	0.75	1.50	16	40	8.00	0.20	1.2	0.100	0.290
DW-NSM090/8	0.90	1.80	8	40	8.00	0.20	1.2	0.080	0.260
DW-NSM100/8	1.00	2.00	8	40	8.00	0.30	1.2	0.060	0.230
DW-NSM110	1.10	2.20	6	40	8.00	0.30	0.6	0.055	0.210
DW-NSM110/8	1.10	2.20	8	40	8.00	0.30	1.2	0.055	0.210
DW-NSML110/8	1.10	2.20	8	50	8.00	0.30	1.2	0.015	0.100
DW-NSM125/8	1.25	2.50	8	40	8.00	0.40	1.2	0.050	0.180
DW-NSM150	1.50	3.00	6	40	8.00	1.00	0.6	0.040	0.120
DW-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)
DW-NSML150	1.50	3.00	6	50	8.00	5.00	1.2	0.010	0.065
DW-NSML150/8	1.50	3.00	8	50	8.00	5.00	1.2	0.010	0.065
DW-NSML150/12	1.50	3.00	12	50	8.00	5.00	1.2	0.010	0.065
DW-NSML175	1.75	3.50	6	50	8.00	5.00	1.2	0.010	0.060
DW-NSM175/8	1.75	3.50	8	40	8.00	5.00	1.2	0.010	0.060
DW-NSML175/12	1.75	3.50	12	40	8.00	5.00	1.2	0.010	0.060
DW-NSM200/8	2.00	4.00	8	40	8.00	5.00	1.2	0.008	0.040
DW-NSML200	2.00	4.00	6	50	8.00	5.00	1.2	0.008	0.040
DW-NSML200/8	2.00	4.00	8	50	8.00	5.00	1.2	0.008	0.040
DW-NSML200/12	2.00	4.00	12	50	8.00	5.00	1.2	0.008	0.040
DW-NSML260	2.60	5.20	6	50	8.00	5.00	1.2	0.004	0.025
DW-NSML260/12	2.60	5.20	12	50	8.00	5.00	1.2	0.004	0.025
DW-NSML300	3.00	6.00	6	50	8.00	5.00	1.5	0.004	0.020
DW-NSML300/12	3.00	6.00	12	50	8.00	5.00	1.5	0.004	0.020
DW-NSML350	3.50	7.00	6	50	8.00	5.00	1.5	0.004	0.018
DW-NSML350/12	3.50	7.00	12	50	8.00	5.00	1.5	0.004	0.018
DW-NSML380	3.80	7.60	6	50	8.00	5.00	1.5	0.004	0.016
DW-NSML380/12	3.80	7.60	12	50	8.00	5.00	1.5	0.004	0.016
DW-NSML400	4.00	8.00	6	50	8.00	5.00	1.5	0.004	0.014
DW-NSML400/12	4.00	8.00	12	50	8.00	5.00	1.5	0.004	0.014
DW-NSML450	4.50	9.00	6	50	22.50	5.00	1.5	0.002	0.012
DW-NSML450/12	4.50	9.00	12	50	22.50	5.00	1.5	0.002	0.012
DW-NSML500	5.00	10.00	6	50	25.00	5.00	1.5	0.002	0.011
DW-NSML550	5.50	11.00	6	50	27.50	5.00	1.5	0.002	0.010
DW-NSML600	6.00	12.00	6	50	30.00	5.00	1.5	0.002	0.009
DW-NSML650	6.50	13.00	6	50	32.50	5.00	1.5	0.001	0.009
DW-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.

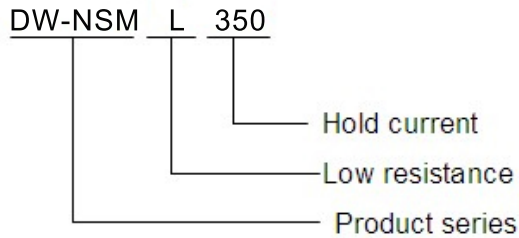
R_{1max} =Maximum device resistance measured in the nontripped state 1 hour post reflow.

Marking System



Part identification

Part Numbering System



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

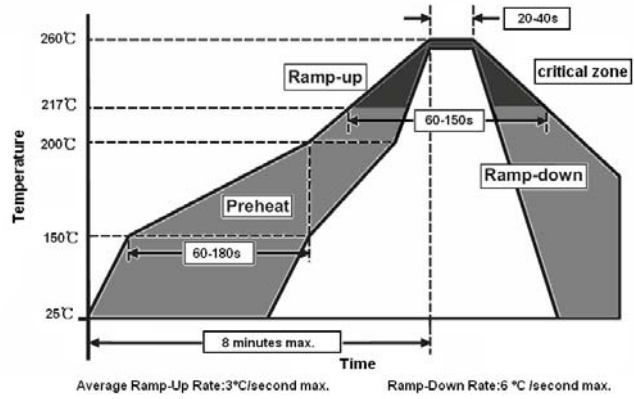
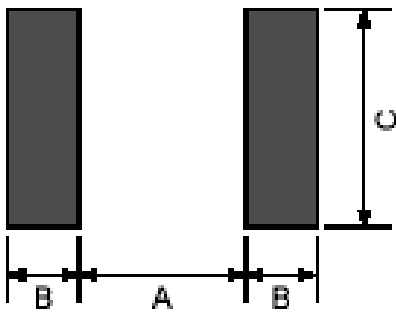
Packaging and Marking Information

Size 3216mm/1206 mils

Part number	Tape & Reel Quantity	Tape spc code	Part Marking	Recommended Pad Layout Figures[mm(In.)]						Agency Recognition
				Dimension A(Nom.)		Dimension B(Nom.)		Dimension C(Nom.)		
				mm	In.	mm	In.	mm	In.	
DW-NSM005	4000	1206A	/	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL Pending
DW-NSM012	4000	1206A	P	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM016	4000	1206A	T	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM020	4000	1206A	C	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM020/24	4000	1206A	C	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM025/16	4000	1206A	G	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM025/24	4000	1206A	G	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM035	4000	1206A	W	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM035/16	4000	1206A	W	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM035/24	4000	1206A	W	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM050	4000	1206A	A	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM050/16	4000	1206A	A	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-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 A(Nom.)		Dimension B(Nom.)		Dimension C(Nom.)		
DW-NSM075	4000	1206A	Y	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM075/8	4000	1206A	Y	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM075/16	3500	1206B	Y	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM090/8	4000	1206A	S	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM100/8	3500	1206B	M	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM110	3500	1206B	O	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM110/8	3500	1206B	O	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML110/8	4000	1206A	O	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM125/8	3500	1206B	Z	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM150	3500	1206B	N	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM150/8	3500	1206B	N	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML150	4000	1206A	I	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML150/8	4000	1206A	I	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML150/12	4000	1206A	I	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML175	4000	1206A	J	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSM175/8	4000	1206A	J	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML175/12	4000	1206A	J	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSM200/8	4000	1206A	F	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML200	4000	1206A	F	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML200/8	4000	1206A	F	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML200/12	4000	1206A	F	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML260	4000	1206A	K	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML260/12	4000	1206A	K	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML300	4000	1206A	R	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML300/12	4000	1206A	R	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML350	4000	1206A	E	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML350/12	4000	1206A	E	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML380	4000	1206A	H	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML380/12	4000	1206A	H	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML400	4000	1206A	L4	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML400/12	4000	1206A	L4	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML450	4000	1206A	L6	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML450/12	4000	1206A	L6	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA
DW-NSML500	4000	1206A	Q	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML550	4000	1206A	L5	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML600	4000	1206A	L7	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-NSML650	4000	1206A	L65	1.80	(0.071)	1.00	(0.041)	1.80	(0.071)	UL,CSA,TUV
DW-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.

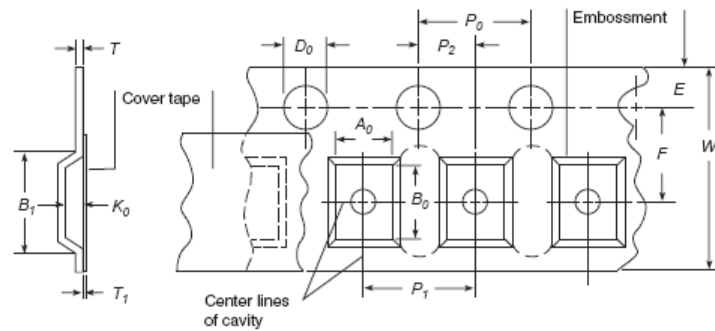
* Devices can be cleaned using standard industry methods and solvents.

Notes:

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

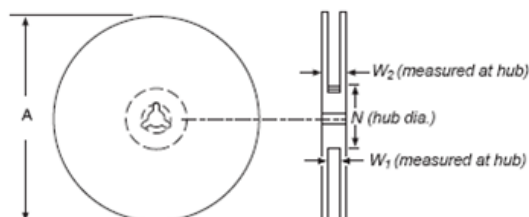
Tape Specification And Reel Dimensions

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.