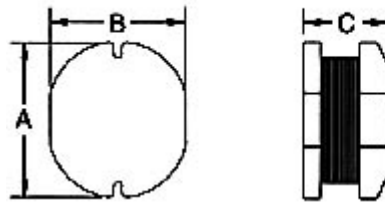


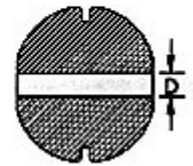
SHAPES & DIMENSION



DIMENSION



TERMINAL SHAPE



m/m

PART NO.	A	B	C	D TYP.
PM 32 (1 μ H~470 μ H)	3.0 \pm 0.3	2.8 \pm 0.3	2.5 \pm 0.3	0.8
PM 43 (1 μ H~470 μ H)	4.5 \pm 0.3	4.0 \pm 0.3	3.2 \pm 0.3	1.3
PM 52 (10 μ H~1000 μ H)	5.8 \pm 0.3	5.2 \pm 0.3	2.5 \pm 0.3	1.3
PM 54 (10 μ H~1000 μ H)	5.8 \pm 0.3	5.2 \pm 0.3	4.5 \pm 0.3	1.3
PM 72 (10 μ H~270 μ H)	7.8 \pm 0.3	7.0 \pm 0.3	2.8 \pm 0.3	2.1
PM 73 (10 μ H~470 μ H)	7.8 \pm 0.3	7.0 \pm 0.3	3.5 \pm 0.3	2.1
PM 75 (10 μ H~470 μ H) \pm	7.8 \pm 0.3	7.0 \pm 0.3	5.0 \pm 0.3	2.1
PM 104 (10 μ H~560 μ H)	10.0 \pm 0.3	9.0 \pm 0.3	4.0 \pm 0.3	2.1
PM 105 (10 μ H~820 μ H)	10.0 \pm 0.4	9.0 \pm 0.4	5.4 \pm 0.3	2.1
PM 106 (10 μ H~1200 μ H)	11.0Max.	10.0Max.	7.5Max.	2.1
PM 108 (1 μ H~1200 μ H)	11.0Max.	10.0Max.	8.5Max.	2.1

Part No.	Inductance L (μH)	DCR (Ω)Max.											Rated D.C. Current (A) Max.																
		PM 32	PM 43	PM 52	PM 54	PM 72	PM 73	PM 75	PM 104	PM 105	PM 106	PM 108	PM 32	PM 43	PM 52	PM 54	PM 72	PM 73	PM 75	PM 104	PM 105	PM 106	PM 108						
1R0	1.0	0.07	0.049	0.03	0.028											2.08	2.56	5.98	3.00										
1R4	1.4	0.09	0.057	0.04	0.029											1.86	2.52	5.20	2.80										
1R8	1.8	0.11	0.064	0.05	0.030											1.80	1.95	4.61	2.60										
2R2	2.2	0.13	0.072	0.05	0.042											1.39	1.75	4.38	2.30										
2R7	2.7	0.14	0.079	0.06	0.044											1.32	1.58	3.84	2.10										
3R3	3.3	0.20	0.087	0.07	0.045											1.25	1.44	3.58	2.00										
3R9	3.9	0.21	0.094	0.09	0.047											1.20	1.33	3.01	1.95										
4R7	4.7	0.33	0.109	0.10	0.048											1.03	1.15	2.61	1.90										
5R6	5.6	0.35	0.126	0.11	0.050											0.91	1.10	2.38	1.80										
6R8	6.8	0.38	0.132	0.12	0.060											0.85	1.08	2.17	1.60										
8R2	8.2	0.43	0.147	0.13	0.090											0.82	1.05	2.06	1.50										
100	10	0.50	0.182	0.15	0.10	0.16	0.08	0.07	0.05	0.06	0.06	0.036	0.74	1.04	1.81	1.44	1.44	1.44	2.30	2.38	2.60	3.50	4.05						
120	12	0.65	0.210	0.16	0.12	0.18	0.09	0.08	0.06	0.07	0.07	0.038	0.64	0.97	1.60	1.40	1.40	1.39	2.00	2.13	2.54	3.40	3.60						
150	15	0.82	0.235	0.20	0.14	0.20	0.10	0.09	0.07	0.08	0.08	0.04	0.60	0.85	1.45	1.30	1.25	1.24	1.80	1.87	2.27	3.0	3.34						
180	18	0.90	0.338	0.25	0.15	0.23	0.11	0.10	0.08	0.09	0.09	0.05	0.54	0.74	1.36	1.23	1.23	1.12	1.60	1.73	2.15	3.00	3.05						
220	22	1.14	0.378	0.35	0.18	0.27	0.13	0.11	0.09	0.10	0.10	0.06	0.50	0.68	1.22	1.11	1.41	1.07	1.50	1.60	1.95	2.60	2.80						
270	27	1.39	0.522	0.45	0.20	0.35	0.15	0.12	0.10	0.11	0.11	0.07	0.43	0.62	1.07	0.97	0.95	0.94	1.30	1.44	1.76	2.40	2.50						
330	33	1.55	0.540	0.50	0.23	0.42	0.17	0.13	0.12	0.12	0.12	0.08	0.40	0.56	1.04	0.88	0.86	0.85	1.20	1.26	1.50	2.30	2.40						
390	39	2.15	0.587	0.56	0.32	0.50	0.22	0.16	0.15	0.14	0.14	0.09	0.37	0.52	0.92	0.80	0.78	0.74	1.10	1.20	1.37	2.10	2.20						
470	47	2.44	0.844	0.69	0.37	0.59	0.25	0.18	0.17	0.17	0.17	0.11	0.36	0.44	0.83	0.72	0.70	0.68	1.10	1.10	1.28	1.95	2.00						
560	56	2.68	0.937	0.72	0.42	0.65	0.28	0.24	0.20	0.19	0.19	0.12	0.31	0.42	0.73	0.68	0.65	0.64	0.94	1.01	1.17	1.85	1.90						
680	68	3.05	1.117	0.84	0.46	0.75	0.33	0.28	0.22	0.22	0.22	0.15	0.30	0.37	0.71	0.61	0.60	0.59	0.85	0.91	1.11	1.65	1.80						
820	82	3.48	1.200	0.95	0.60	0.85	0.41	0.37	0.25	0.25	0.25	0.19	0.28	0.30	0.60	0.58	0.56	0.54	0.78	0.85	1.00	1.50	1.60						
101	100	3.84	1.440	1.15	0.70	1.00	0.48	0.43	0.34	0.35	0.35	0.23	0.25	0.28	0.55	0.52	0.51	0.51	0.72	0.74	0.97	1.40	1.50						
121	120	5.76	1.600	1.38	0.93	1.10	0.54	0.47	0.40	0.40	0.40	0.32	0.20	0.24	0.46	0.48	0.49	0.49	0.66	0.69	0.89	1.30	1.40						
151	150	6.62	1.800	1.81	1.10	1.35	0.75	0.64	0.54	0.47	0.47	0.37	0.19	0.22	0.43	0.40	0.40	0.40	0.58	0.61	0.78	1.20	1.30						
181	180	7.36	2.180	1.95	1.37	1.60	1.02	0.71	0.62	0.63	0.63	0.42	0.17	0.21	0.34	0.38	0.37	0.36	0.51	0.56	0.72	1.00	1.20						
221	220	8.38	2.570	2.10	1.57	2.00	1.20	0.96	0.72	0.73	0.73	0.44	0.16	0.20	0.32	0.35	0.30	0.31	0.49	0.53	0.66	0.95	1.00						
271	270	13.69	3.520	2.42	1.85	2.35	1.31	1.11	0.95	0.97	0.97	0.55	0.14	0.18	0.27		0.29	0.29	0.42	0.45	0.57	0.90	0.95						
331	330	15.78	5.000	3.82	2.00		1.50	1.26	1.10	1.15	1.15	0.60	0.13	0.12	0.23			0.28	0.40	0.42	0.52	0.80	0.90						
391	390	17.40	6.000	4.68	2.60		2.70	1.77	1.24	1.30	1.30	0.67	0.12	0.115	0.19			0.27	0.36	0.38	0.48	0.75	0.80						
							3.00											0.25											
471	470	20.00	7.000	5.10	3.00			1.96	1.53	1.48	1.48	0.88	0.084	0.11	0.18				0.34	0.35	0.42	0.65	0.70						
561	560			6.00					1.90	1.90	1.90	1.04			0.16					0.32	0.33	0.60	0.65						
681	680			7.60						2.25	2.45	1.18			0.13						0.28	0.50	0.60						
821	820			9.12						2.55	2.55	1.38			0.10						0.24	0.48	0.50						
102	1000			9.87								3.00	1.74		0.05							0.46	0.48						
1	1200											3.50	1.92									0.35	0.38						

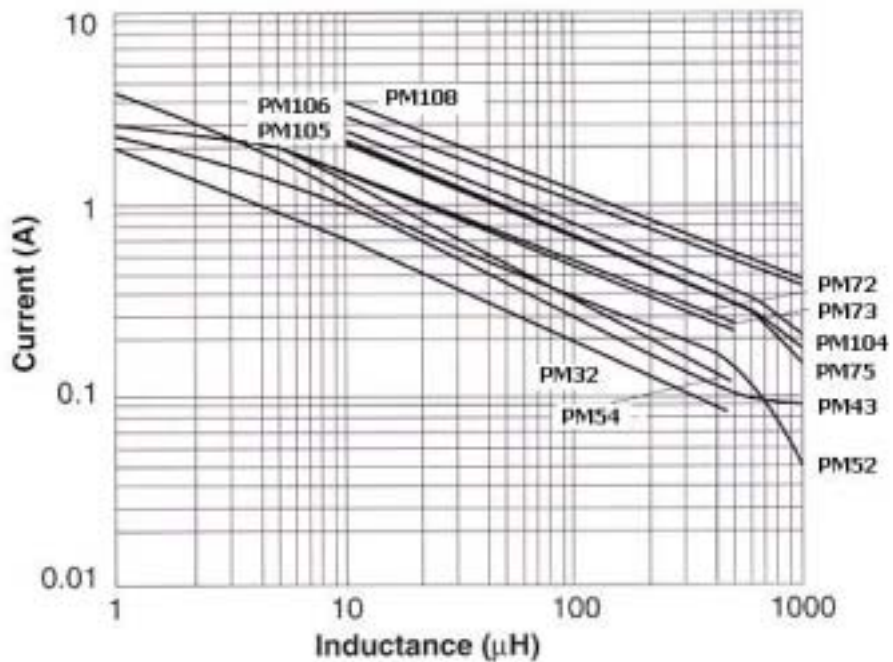
SPECIFICATIONS

INDUCTANCE 10 μH ~ 1000 μH

TYPICAL ELECTRICAL CHARACTERISTICS CURVE : PM 32~108

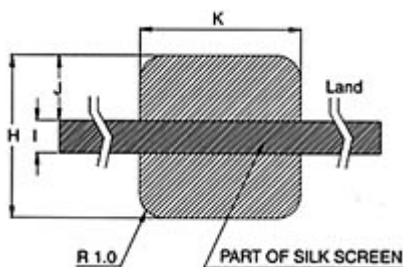
TEST INSTRUMENT : HP 4263B, Zentech 301A

INDUCTANCE-CURRENT (REFERENCE)



RECOMMENDED LAND PATTERNS FOR SMD (mm)

UNIT : mm



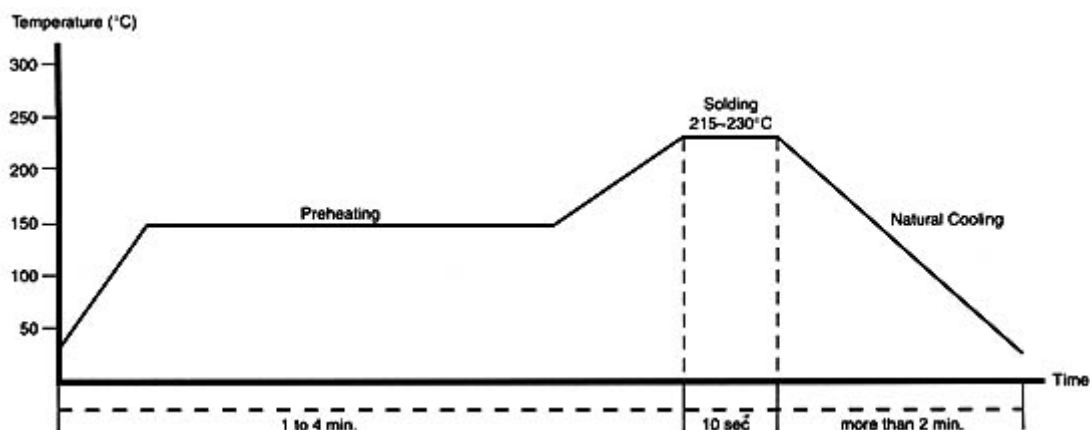
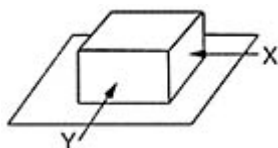
Type	H	I	J	K
PM32	3.6	1.2	1.2	3.2
PM43	5.0	1.5	1.75	4.5
PM52	6.0	1.7	2.15	5.5
PM54	6.0	1.7	2.15	5.5
PM72	8.0	2.0	3.0	7.5
PM73	8.0	2.0	3.0	7.5
PM75	8.0	2.0	3.0	7.5
PM104	10.0	2.5	3.75	9.5
PM105	10.0	2.5	3.75	9.5
PM106	10.0	2.5	3.75	9.5
PM108	10.0	2.5	3.75	9.5

Please coat with silk screen between the two terminals.

Recommended thickness of metal mask : 0.2t

GENERAL CHARACTERISTICS

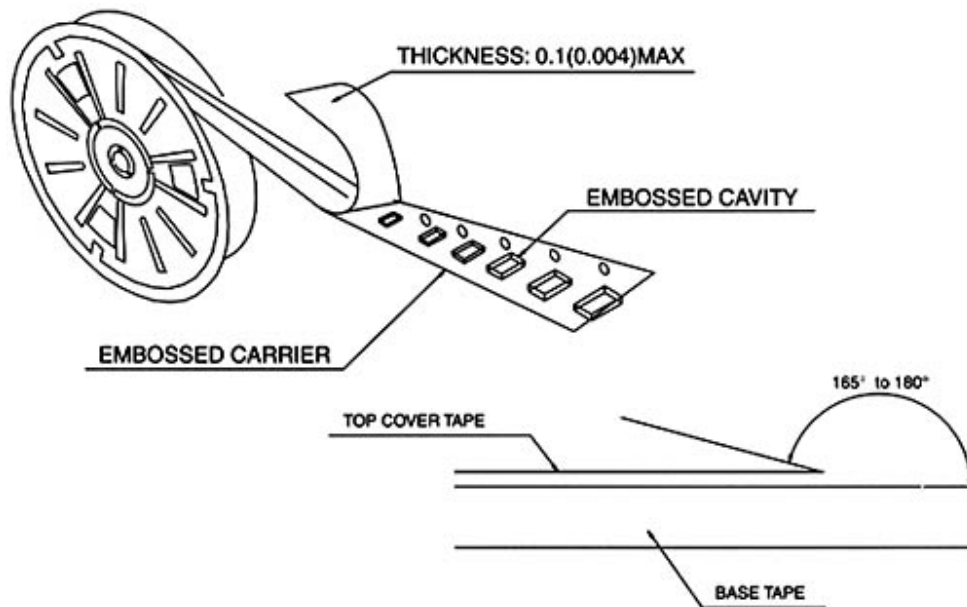
Operating Temperature	-20C to 85C (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	<p>After soldering, between copper plate and terminals of coil, push in two directions of X,Y with standing as below conditions. Terminal should not peel off. (Refer to figure at right)</p> <p>5.0 N 10sec. PM32 5.0 N 60sec. SCB73 SCB0704, SCB1204, SCB1205, SCB1207 10.0 N 10sec. PM43, PM52, PM54 15.0 N 10sec. PM72, PM73, PM75 20.0 N 10sec. PM104 , PM105 , PM106, PM108</p>
Heat endurance of reflow soldering	Refer to below figure
Insulating resistance	Over 100M at 100V D.C. between wire and core.
Dielectric Strength	No dielectric breakdown at 100V D.C. for 1 minute between wire and core.
Temperature characteristics	Inductance coefficient $(0\sim 2,000)\times 10^{-6}/C$ (-25~+80C)
Humidity characteristics	Inductance deviation within $\pm 5.0\%$, after 96 hours in 90~95% relative humidity at $40\pm 2C$ and 1 hour drying under normal condition.
Vibration resistance	Inductance deviation with $\pm 5.0\%$ after vibration for 1 hour. In each of three orientations at sweep vibration (10~55~10Hz) with 1.5 mm p-p amplitude.



A test is made under

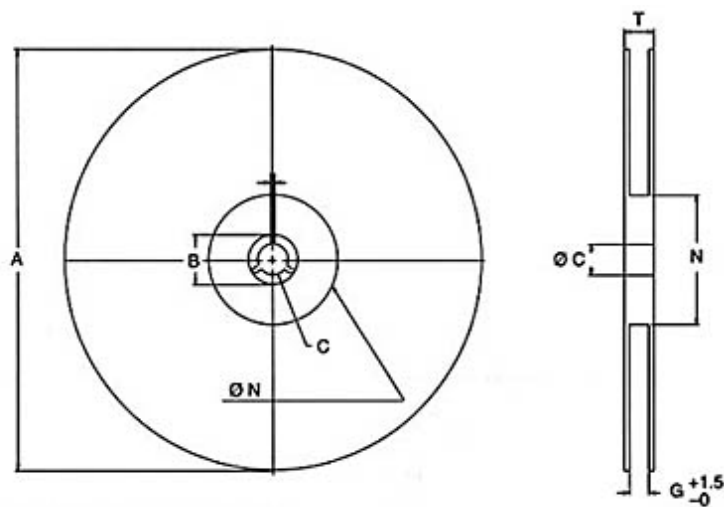
the above mentioned condition , and it is kept for 2 hours in the normal temperature and humidity. After that, no mechanical and electrical defect should be found.

PACKAGING FOR SMC



The force for tearing off cover tape is 10 to 60 grams in the arrow direction

CARRIER TAPE REELS

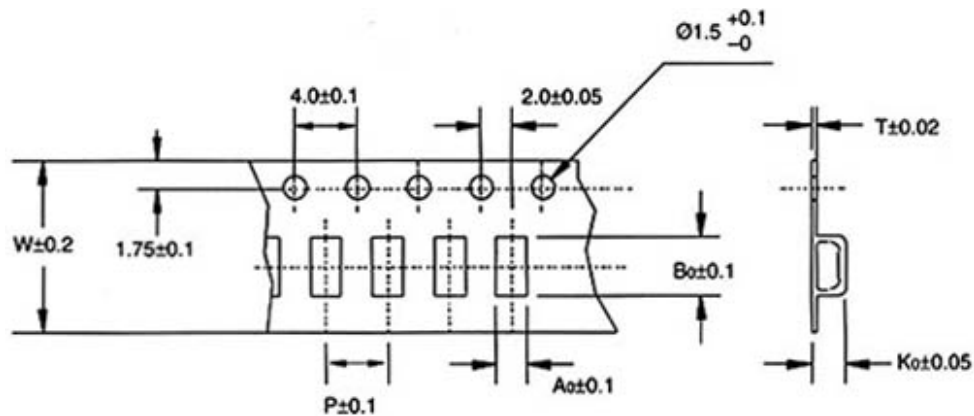


MATERIAL: PAPER/PLASTIC

Dimension in mm

Type	A	B	C	G	N	T	Material
8mm	178	21.0±0.8	13.0±0.2	8.4	55	12.4	Paper
12mm	178	21.0±0.8	13.0±0.2	12.4	55	16.4	Paper
16mm	178	21.0±0.8	13.0±0.2	16.4	55	20.4	Paper
24mm	178	21.0±0.8	13.0±0.2	24.4	100	28.4	Paper
12mm	330	21.0±0.8	13.0±0.2	12.4	100	16.4	Plastic
16mm	330	21.0±0.8	13.0±0.2	16.4	100	20.4	Plastic
24mm	330	21.0±0.8	13.0±0.2	24.4	100	28.4	Plastic
24mm	330	21.0±0.8	13.0±0.2	24.4	75	28.4	Paper
32mm	330	21.0±0.8	13.0±0.2	32.4	75	36.4	Paper

TAPE DIMENSION



PACKAGING QUANTITY

Dimension in mm

Type	A0	B0	K0	W	P	T	Chips/Reel (330 Φ)
PM 32	2.95	3.20	2.70	12	8	0.30	3000
PM 43	4.40	5.05	3.60	12	8	0.30	1500
PM 54	5.50	6.10	5.00	16	12	0.30	1000
PM 72	7.20	8.10	3.10	16	12	0.30	1000
PM 73	7.20	8.00	3.80	16	12	0.30	1000
PM 75	7.20	8.10	5.50	16	12	0.40	500
PM 104	9.40	10.40	4.50	24	12	0.40	1000
PM 105	9.50	10.40	5.80	24	16	0.40	500
PM 106	9.50	10.50	7.20	24	16	0.40	500

