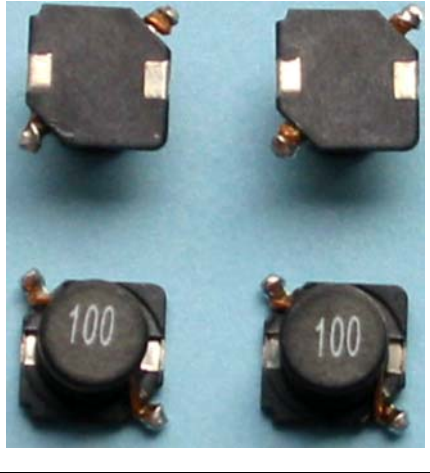


TBK TYPE SMD POWER INDUCTOR

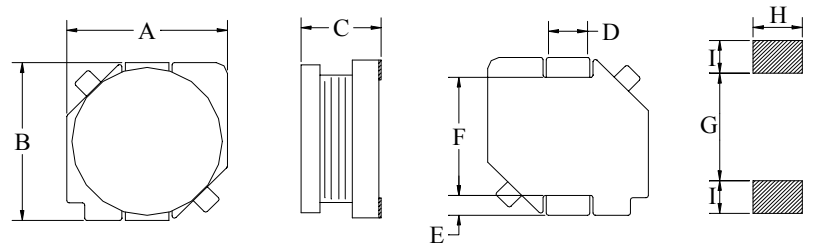


FEATURE:

- High current capacity.
- Low -profile type with low Rdc and large current.
- Low core loss for high frequency power application.

SHAPES&DIMENSION:

Unit:mm



APPLICATION

- DC/DC converter
- Notebook computers
- PDA(desktop)
- Flash Memory programs

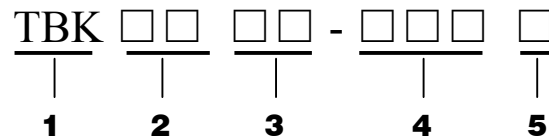
Part No.	A	B	C	D	E
TBK 0703	7.00±0.30	7.00±0.30	3.95MAX	2.00±0.20	1.5±0.20

TBK 0705	7.00±0.30	7.00±0.30	5.5MAX	2.00±0.20	1.5±0.20
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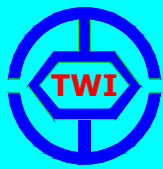
Part No.	F	G	H	I
TBK 0703	4.00±1.00	3.9	2.2	1.8

TBK 0705	4.00±1.00	3.9	2.2	1.8
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PART NUMBERING SYSTEM:



- 1) PRODUCT SYMBOL
- 2) OUTSIDE DIA :m/m
- 3) BODY HEIGHT :m/m
- 4) INDUCTANCE :μH
- 5) TOLERANCE :K 10%, L 15%, M 20%

**TBK TYPE****SMD POWER INDUCTOR****STANDARD SPECIFICATION**

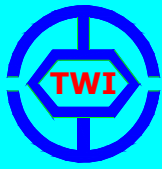
Part Inductance		DCR(Ω)Max.		Rated D.C Current(A)Max.	
No.	L(μ H) \pm 20%	TBK 0703	TBK 0705	TBK 0703	TBK 0705
1R0	1.0	0.020	0.023	3.20	3.50
1R5	1.5	0.025	0.028	2.80	3.20
2R2	2.2	0.035	0.033	2.50	3.00
3R3	3.3	0.040	0.040	2.20	2.70
4R7	4.7	0.045	0.050	2.00	2.50
6R8	6.8	0.060	0.060	1.60	2.20
100	10	0.080	0.075	1.40	2.00
120	12	0.085	0.085	1.30	1.90
150	15	0.110	0.090	1.10	1.50
180	18	0.13	0.10	1.05	1.40
220	22	0.15	0.12	1.00	1.30
270	27	0.19	0.15	0.95	1.20
330	33	0.21	0.18	0.85	1.10
390	39	0.27	0.19	0.75	1.00
470	47	0.31	0.22	0.70	0.90
560	56	0.39	0.25	0.65	0.85
680	68	0.43	0.27	0.60	0.80
820	82	0.49	0.38	0.50	0.70
101	100	0.65	0.42	0.45	0.65
121	120	0.70	0.52	0.40	0.60
151	150	0.85	0.58	0.35	0.50
181	180	1.10	0.65	0.33	0.45
221	220	1.25	0.88	0.30	0.40
271	270	1.45	0.99	0.28	0.35
331	330	1.85	1.10	0.25	0.32
391	390	2.25	1.40	0.23	0.30
471	470	2.60	1.90	0.22	0.28
561	560	3.70	2.20	0.20	0.25
681	680	4.30	2.50	0.18	0.22
821	820	4.90	2.90	0.16	0.20
102	1000	5.60	4.00	0.15	0.18

1. Test Freq(L)

1.0~8.2 μ H(7.96MHz/0.25V); 10~82 μ H(2.52MHz/0.25V); 100~1000 μ H(1KHz/0.25V);

2. Tolerance of Inductance

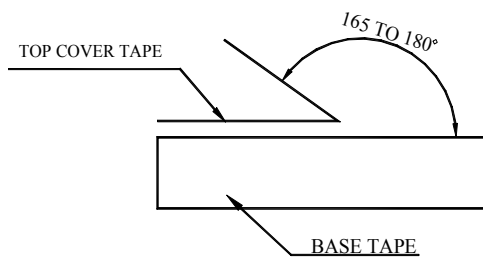
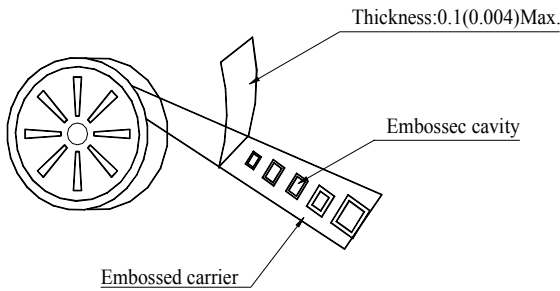
TBK 0703 1.0~47 μ H \pm 20%(M); 56~1000 μ H \pm 10%(K)TBK 0705 1.0~47 μ H \pm 20%(M); 56~1000 μ H \pm 10%(K)3. Operating temperature-20 $^{\circ}$ C to +85 $^{\circ}$ C.4. Rated current: The inductance should fall less than 10% of its value and the temperature rise should be less than 40 $^{\circ}$ C.



TBK TYPE

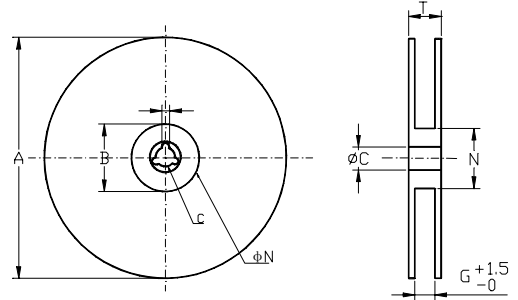
SMD POWER INDUCTOR

PACKAGING FOR SMC



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

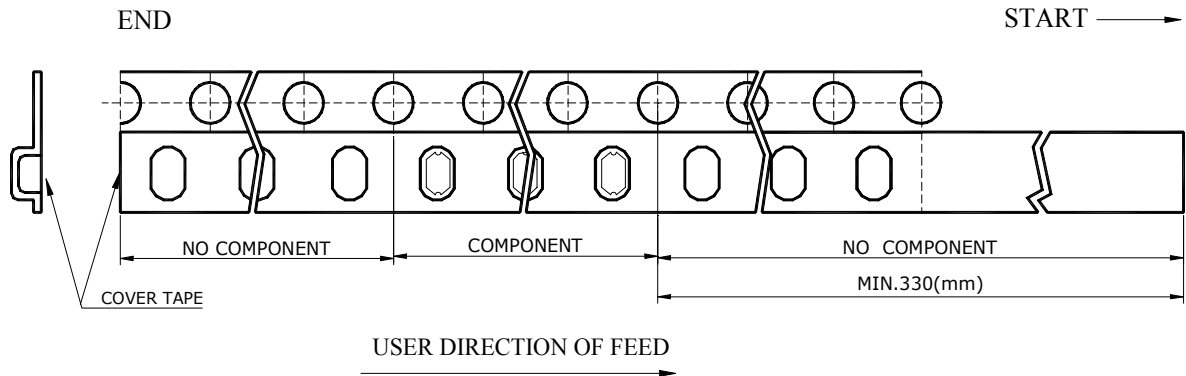
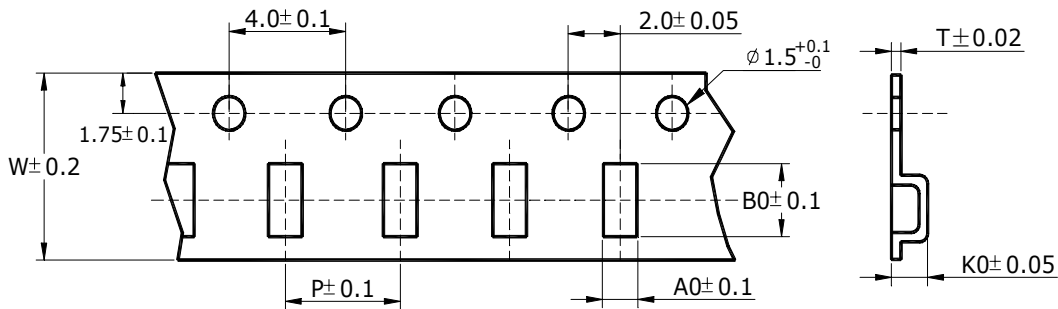
CARRIER TAPE REELS



MATERIAL: PAPER/PLASTIC Dimension in mm

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

TAPE DIMENSION/PACKAGING



TYPE	A0	B0	K0	W	P	T	CHIPS/REEL
TBK0703	7.30	7.30	4.40	16.00	12.00	0.40	1500
TBK0705	7.30	7.30	5.70	16.00	12.00	0.40	1000

Dimension in mm