

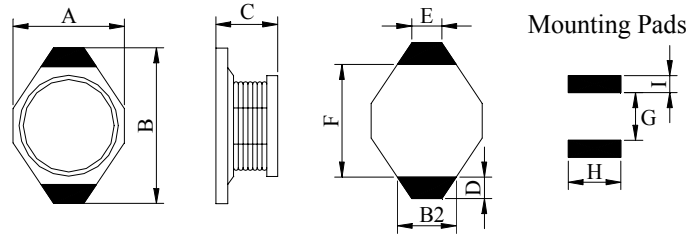
TBR TYPE SMD POWER INDUCTOR



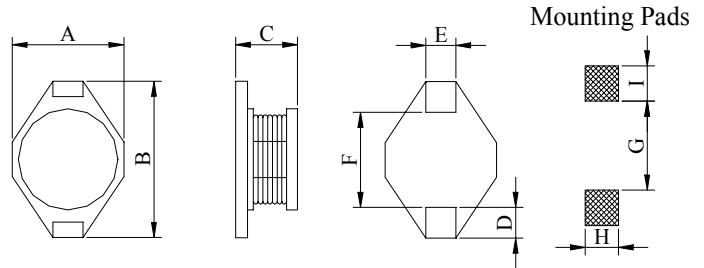
FEATURE:

- High current capacity.
- High energy storage capacity and low DCR.
- Ferrite bobbin core and low profile ,miniature size.
- High heat resistance ,ideal for reflow soldering.

SHAPES&DIMENSION FOR TBR1607/1608 SERIES Unit:mm



SHAPES&DIMENSION FOR TBR33xx/5022 SERIES Unit:mm



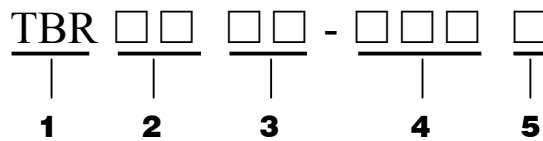
APPLICATION

- Small cell phones
- PDAS(desktop)
- Pagers
- Flash memory programmers
- Notebook computers
- Battery chargers
- DC-DC converters
- Network cards
- Switching boards
- Industrial electronics
- Entertainment electronic devices

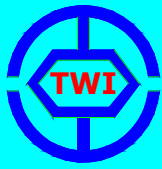
Part No.	A	B	B2	C	D
TBR 1607	4.45MAX	6.60MAX	3.05	2.49MAX	1.02
TBR 1608	4.45MAX	6.60MAX	3.05	2.92MAX	1.02
TBR 3308	9.50MAX	13.0MAX	-	3.0MAX	2.45
TBR 3316	9.50MAX	13.0MAX	-	5.20MAX	2.45
TBR 3340	9.50MAX	13.0MAX	-	11.50MAX	2.45
TBR 5022	15.30MAX	18.6MAX	-	7.10MAX	2.45

Part No.	E	F	G	H	I
TBR 1607	1.27	4.32	4.06	3.56	1.40
TBR 1608	1.27	4.32	4.06	3.56	1.40
TBR 3308	2.54	7.62	7.37	2.79	2.92
TBR 3316	2.54	7.62	7.37	2.79	2.92
TBR 3340	2.54	7.62	7.37	2.79	2.92
TBR 5022	2.54	12.70	12.45	2.79	2.92

PART NUMBERING SYSTEM:

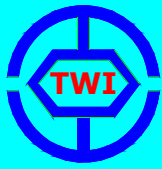


- 1) PRODUCT SYMBOL
- 2) OUTSIDE DIA :m/m
- 3) BODY HEIGHT :m/m
- 4) INDUCTANCE :μH
- 5) TOLERANCE :K 10%, L 15%, M 20%

**TBR TYPE****SMD POWER INDUCTOR****STANDARD SPECIFICATION**

Part Inductance		DCR(Ω)Max.						Rated D.C Current(A)Max.					
No.	L(μ H) \pm 20%	TBR 1607	TBR 1608	TBR 3308	TBR 3316	TBR 3340	TBR 5022	TBR 1607	TBR 1608	TBR 3308	TBR 3316	TBR 3340	TBR 5022
1R0	1.0		0.05		0.009		0.011		2.90		9.0		20
1R5	1.5		0.05		0.010				2.60		8.0		
2R2	2.2		0.07		0.012		0.014		2.30		7.0		16
3R3	3.3		0.08		0.015		0.016		2.00		6.4		14
4R7	4.7		0.09		0.018				1.50		5.4		
5R6	5.6						0.220						12
6R8	6.8		0.13		0.027				1.20		4.6		
100	10		0.16	0.11	0.038	0.033	0.032		1.10	2.4	3.8	8.0	10.0
150	15		0.23	0.15	0.046	0.042	0.036		0.90	2.0	3.0	7.0	8.0
220	22		0.37	0.23	0.085	0.054	0.047		0.70	1.6	2.6	5.5	7.0
330	33		0.51	0.30	0.100	0.080	0.066		0.58	1.4	2.0	4.0	5.5
470	47		0.64	0.39	0.140	0.100	0.087		0.50	1.0	1.6	3.8	4.5
680	68		0.86	0.66	0.200	0.170	0.130		0.40	0.9	1.4	3.0	3.5
101	100		1.27	0.84	0.280	0.220	0.190		0.31	0.7	1.2	2.5	3.0
151	150		2.00	1.20	0.400	0.340	0.250		0.27	0.6	1.0	2.0	2.6
221	220		2.65	1.90	0.610	0.440	0.380		0.22	0.5	0.8	1.6	2.4
331	330		3.80	2.70	1.020	0.700	0.560		0.18	0.4	0.6	1.2	1.9
471	470		5.06	4.00	1.270	0.950	0.850		0.16	0.3	0.5	1.0	1.4
681	680		9.20	5.30	2.020	1.200	1.200		0.14	0.2	0.4	1.0	1.2
821	820		13.80	8.40	3.000	2.000			0.10	0.1	0.3	0.8	
102	1000	19					1.800	0.100					1.0
152	1500	21						0.075					
222	2200	42						0.060					
332	3300	52						0.050					
472	4700	80						0.045					
682	6800	125						0.040					

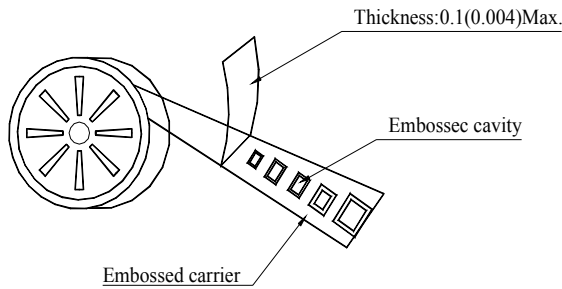
- 1.Test Freq(L):100KHz 0.25V;
- 2.Tolerance of Inductance: 1.0~6800 μ H \pm 20%(M);
- 3.Operating temperature-40 $^{\circ}$ C to+85 $^{\circ}$ C.
- 4.DC Saturation current at which the inductance drops 10% (typ) from its value without current;
- 5.Rms current to for a 40 $^{\circ}$ C rise above 25 $^{\circ}$ C ambient;



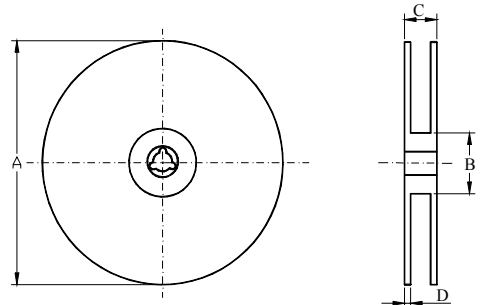
TBR TYPE

SMD POWER INDUCTOR

PACKAGING FOR SMC



CARRIER TAPE REELS

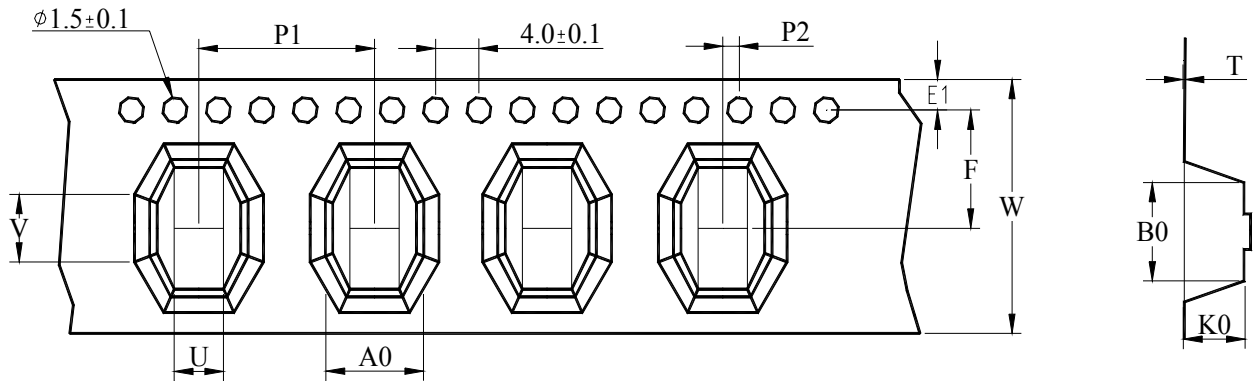


REEL DIMENSION

Dimension in mm

Part No.	TYPE	A	B	C	D	PCS/REEL
TBR 1607,1608	12 mm	330±2	75±1	13.5±1	2.4±0.5	2000
TBR 3308	24 mm	330±2	75±1	26±1	2.4±0.5	1000
TBR 3316	24 mm	330±2	75±1	26±1	2.4±0.5	700
TBR 3340	24 mm	330±2	75±1	26±1	2.4±0.5	300
TBR 5022	32 mm	330±2	75±1	34±1	2.4±0.5	500

TAPE DIMENSION/PACKAGING



TAPE DIMENSION

Dimension in mm

Part No.	A0	B0	K0	P1	P2	U	V	E1	F	W	T
TBR/B 1607,1608	4.8	6.9	3.2	8	2	1.44	1.34	1.75	5.5	12	0.30
TBR 3308	9.7	13.25	3.3	12	2	4.8	4.30	1.75	11.5	24	0.30
TBR/B 3316	9.7	13.25	5.4	12	2	4.8	4.30	1.75	11.5	24	0.30
TBR 3340	9.7	13.25	11.7	12	2	4.8	4.3	1.75	11.5	24	0.45
TBR/B 5022	15.54	18.84	7.4	20	2	4.3	5.8	1.75	14.2	32	0.40