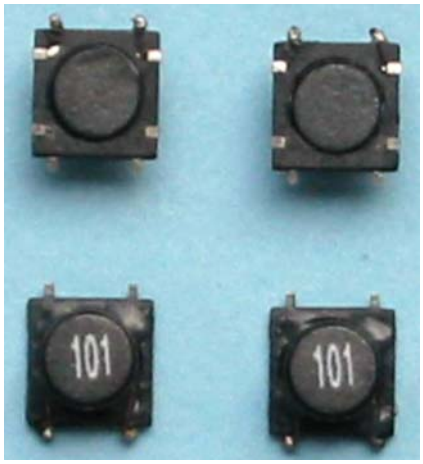
TBRD TYPE

SMD POWER INDUCTOR

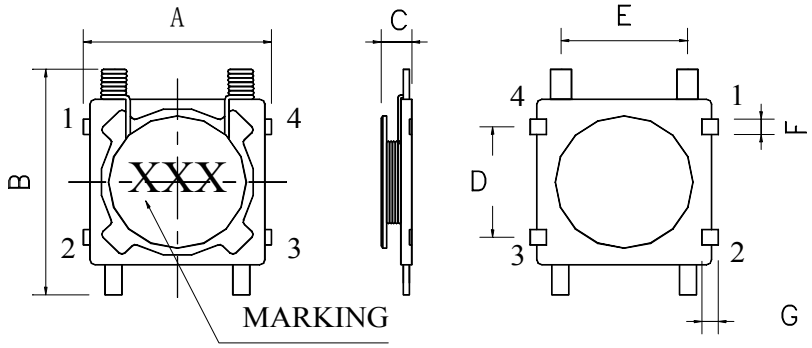


FEATURE:

- Ultra low profile and samall size SMD.
- Use of high-performance ferrite for excellent DC-Bias characteristics.

SHAPES&DIMENSION:

Unit:mm



Part No.	A	B	C	D	E
TBRD 0412	5.20±0.20	6.4MAX	1.20MAX	3.0±0.10	3.4
TBRD 0425	5.20±0.20	6.4MAX	2.55MAX	3.0±0.10	3.4

Part No.	F	G
TBRD 0412	0.4±0.1	0.4±0.1
TBRD 0425	0.4±0.1	0.4±0.1

APPLICATION

- DC/DC converter
- Notebook computers
- LCD Panel
- Digital Cameras

PART NUMBERING SYSTEM:

TBRD □□ □□ - □□□ □

1 2 3 4 5

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

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STANDARD SPECIFICATION

Part Inductance No.	L(μH)±20%	DCR(Ω)Max. TBRD 0412	DCR(Ω)Max. TBRD 0425	Rated D.C Current(A)Max. TBRD 0412	Rated D.C Current(A)Max. TBRD 0425
3R3	3.3	0.18		1.12	
4R7	4.7	0.25		0.90	
6R8	6.8	0.35		0.73	
100	10	0.55		0.62	
150	15	0.77		0.45	
220	22	1.10		0.40	
330	33	1.78		0.34	
470	47	2.60		0.28	
101	100		1.6		0.24
151	150		2.5		0.19
221	220		3.8		0.16
331	330		5.9		0.13
471	470		7.5		0.11
681	680		12.0		0.09
102	1000		20.0		0.07
152	1500		25.0		0.06
222	2200		45.0		0.045
332	3300		60.0		0.04

1.Test Freq(L):100KHz/0.25V

2.Tolerance of Inductance:

TBRD0412 3.3~47μH±20%(M);

TBRD0425 100~3300μH±20%(M);

3.Operating temperature-40℃to+85℃.

4.Rated current:The inductance should fall less than 10% of its value and the temperature rise should be less than 40℃.