

TPRB TYPE

FEATURE

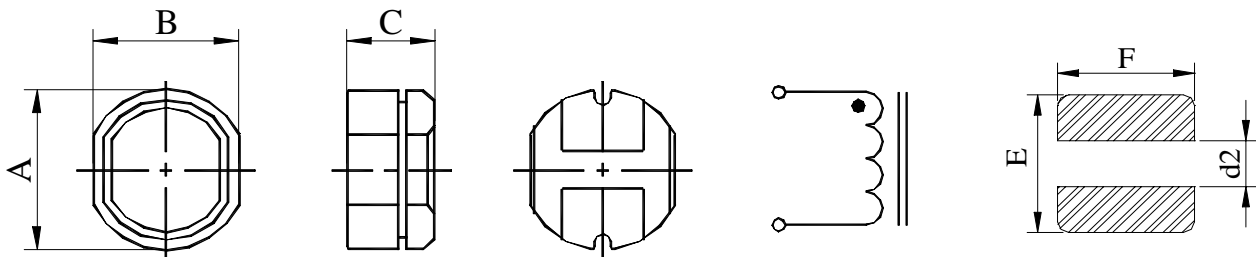
1. High current capacity and Low DCR
2. High heat resistance, ideal for reflow soldering
3. High reliability

Applications

1. Portable telephone, Personal Computer
2. Hard Disk drives, and other electronic equipment

Shape and Dimension

Schematics and Land Patterns(mm)



Specification

Dimension in m/m

TYPE	A	B	C	E	d2	F
TPRB0603	6.50±0.40	5.50±0.40	3.20±0.40	6.00	1.70	5.50
TPRB0704	7.50±0.40	7.00±0.40	4.50±0.40	8.00	2.00	7.50
TPRB1005	10.0±0.40	9.00±0.40	5.00±0.50	10.00	2.50	9.50

Note1. Measurement frequency of Inductance value : 1.0uH~8.2uH at 7.96MHz, 0.1V
 10uH~82uH at 2.52MHz, 0.1V
 100uH~820mH at 1KHz, 0.1V

Note2. Measurement ambient temperature of L, DCR and IDC : at 25

Note3. IDC : This indicates the value of current when the inductances is 10% lower than its initial value at D.C. superimposition or D.C. current when at $t=40$, which is lower. ($T_a=20$)

Note4. Inductance tolerance: M: ±20%

Note5. This specification might be changed without notice due to under developing and improving.

Thank you for your understanding.

Part No.	Inductance(uH)	D.C.R.(Max)/Rated D.C. Current(A)		
		TPRB0603	TPRB0704	TPRB1005
0R8	0.8			
1R5	1.5			
2R2	2.2			
2R5	2.5			
3R3	3.3			
3R8	3.8			
4R7	4.7			
5R2	5.2			
6R0	6.0			
6R8	6.8			
7R0	7.0			
8R2	8.2			
100	10	0.14 / 1.00	0.07 / 1.50	0.06 / 2.06
120	12	0.16 / 0.94	0.07 / 1.30	0.07 / 1.94
150	15	0.18 / 0.86	0.08 / 1.22	0.07 / 1.72
180	18	0.25 / 0.78	0.10 / 1.13	0.08 / 1.58
220	22	0.32 / 0.76	0.12 / 1.08	0.08 / 1.42
270	27	0.36 / 0.64	0.16 / 0.84	0.10 / 1.32
330	33	0.41 / 0.61	0.18 / 0.78	0.11 / 1.16
390	39	0.47 / 0.53	0.18 / 0.74	0.12 / 1.10
470	47	0.51 / 0.50	0.27 / 0.66	0.14 / 1.00
560	56	0.72 / 0.46	0.29 / 0.64	0.19 / 0.93
680	68	0.82 / 0.42	0.33 / 0.54	0.21 / 0.85
820	82		0.43 / 0.52	0.28 / 0.79
101	100		0.49 / 0.42	0.34 / 0.72
121	120		0.68 / 0.40	0.37 / 0.63
151	150		0.94 / 0.35	0.51 / 0.55
181	180		1.00 / 0.33	0.57 / 0.50
221	220		1.18 / 0.32	0.78 / 0.47
271	270		1.30 / 0.28	0.87 / 0.41
331	330			1.20 / 0.37
391	390			1.34 / 0.35
471	470			1.50 / 0.33
561	560			

Your Perfect Inductor