

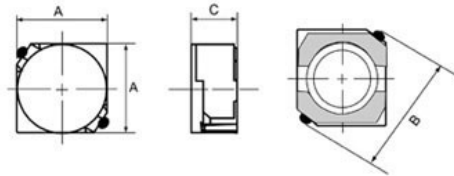
TSB4D18Type
 TSB4D28Type
 TSB5D18Type
 TSB5D28Type
 TSB6D28Type
 TSB6D38Type

- * Magnetically shielded.
- * Tape and reel package for auto-mounting.
- * Suitable for reflow soldering.
- * Low radiation.

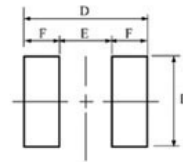


Construction

Unit : (m/m)



Recommended Patterns



Unit : (m/m)

Type	A(MAX)	B(MAX)	C(MAX)	D	E	F	G	H	I
TSB4D18	4.7±0.3	6.9	2.0	5.3	1.5	1.9			
TSB4D28	4.7±0.3	6.9	3.0	5.3	1.5	1.9			
TSB5D18	5.7±0.3	8.2	2.0	6.3	2.0	2.15			
TSB5D28	5.7±0.3	8.2	3.0	6.3	2.0	2.15			
TSB6D28	6.7±0.3	9.5	3.0	7.3	2.0	2.65			
TSB6D38	6.7±0.3	9.5	4.0	7.3	2.0	2.65			

[Print] [Close]

Electrical Specification

Unit:(m/m)

Part number	L (μH)	Inductance Tolerance %	D.C. Resistance (max.)	Inductance Decrease Current (A)max.
TSB4D18-1R0	1.0	±30%	0.045	1.72
TSB4D18-2R2	2.2	±30%	0.075	1.32
TSB4D18-2R7	2.7	±30%	0.105	1.28
TSB4D18-3R3	3.3	±30%	0.110	1.04
TSB4D18-3R9	3.9	±30%	0.155	0.88
TSB4D18-4R7	4.7	±30%	0.162	0.84
TSB4D18-5R6	5.6	±30%	0.170	0.80
TSB4D18-6R8	6.8	±30%	0.200	0.76
TSB4D18-8R2	8.2	±30%	0.245	0.68
TSB4D18-100	10	±30%	0.200	0.61
TSB4D18-120	12	±30%	0.210	0.56
TSB4D18-150	15	±30%	0.240	0.50
TSB4D18-180	18	±30%	0.338	0.48
TSB4D18-220	22	±30%	0.397	0.41
TSB4D18-270	27	±30%	0.441	0.35
TSB4D18-330	33	±30%	0.694	0.32
TSB4D18-390	39	±30%	0.709	0.30

1. Measuring frequency inductance at 100KHz 1 Vrms.
2. The rated current indicates the current when the inductance decreases to 65% of initial value or DC current when the temperature of Coil is increased by 30°C. the smaller one is defined as rated current. (Ta=20°C)

Electrical Specification

Unit:(m/m)

Part number	L (μH)	Inductance Tolerance %	D.C. Resistance (max.)	Inductance Decrease Current (A)max.
TSB4D28-1R2	1.2	±30%	0.0236	2.56
TSB4D28-1R8	1.8	±30%	0.0275	2.20
TSB4D28-2R2	2.2	±30%	0.0313	2.04
TSB4D28-2R7	2.7	±30%	0.433	1.60
TSB4D28-3R3	3.3	±30%	0.0492	1.57
TSB4D28-3R9	3.9	±30%	0.0648	1.44
TSB4D28-4R7	4.7	±30%	0.0720	1.32
TSB4D28-5R6	5.6	±30%	0.1009	1.17
TSB4D28-6R8	6.8	±30%	0.1089	1.12
TSB4D28-8R2	8.2	±30%	0.1175	1.04
TSB4D28-100	10	±30%	0.1283	1.00
TSB4D28-120	12	±30%	0.1316	0.84
TSB4D28-150	15	±30%	0.149	0.76
TSB4D28-180	18	±30%	0.166	0.72
TSB4D28-220	22	±30%	0.235	0.70
TSB4D28-270	27	±30%	0.261	0.58
TSB4D28-330	33	±30%	0.3313	0.56
TSB4D28-390	39	±30%	0.3837	0.50
TSB4D28-470	47	±30%	0.587	0.48
TSB4D28-560	56	±30%	0.6245	0.41
TSB4D28-680	68	±30%	0.699	0.35
TSB4D28-820	82	±30%	0.9148	0.32
TSB4D28-101	100	±30%	1.02	0.29
TSB4D28-121	120	±30%	1.27	0.27
TSB4D28-151	150	±30%	1.35	0.24
TSB4D28-181	180	±30%	1.54	0.22

1. Measuring frequency inductance at 100KHz 1 Vrms.
2. The rated current indicates the current when the inductance decreases to 65% of initial value or DC current when the temperature of Coil is increased by 30°C. the smaller one is defined as rated current. (Ta=20°C)

Electrical Specification

Unit:(m/m)

Part number	L (μH)	Inductance Tolerance %	D.C. Resistance (max.)	Inductance Decrease Current (A)max.
TSB5D18-4R1	4.1	±30%	0.057	1.95
TSB5D18-5R4	5.4	±30%	0.076	1.60
TSB5D18-6R2	6.2	±30%	0.096	1.40
TSB5D18-8R9	8.9	±30%	0.116	1.25
TSB5D18-100	10	±30%	0.124	1.20
TSB5D18-120	12	±30%	0.153	1.10
TSB5D18-150	15	±30%	0.196	0.97
TSB5D18-180	18	±30%	0.210	0.85
TSB5D18-220	22	±30%	0.290	0.80
TSB5D18-270	27	±30%	0.330	0.75
TSB5D18-330	33	±30%	0.385	0.65
TSB5D18-390	39	±30%	0.520	0.57
TSB5D18-470	47	±30%	0.595	0.54
TSB5D18-560	56	±30%	0.665	0.50
TSB5D18-680	68	±30%	0.840	0.43
TSB5D18-820	82	±30%	0.978	0.41
TSB5D18-101	100	±30%	1.2	0.36

1. Measuring frequency inductance at 100KHz 1 Vrms.
2. The rated current indicates the current when the inductance decreases to 65% of initial value or DC current when the temperature of Coil is increased by 30°C. the smaller one is defined as rated current. (Ta=20°C)

Electrical Specification

Unit:(m/m)

Part number	L (μH)	Inductance Tolerance %	D.C. Resistance (max.)	Inductance Decrease Current (A)max.
TSB5D28-2R6	2.6	±30%	0.018	2.60
TSB5D28-3R0	3.0	±30%	0.024	2.40
TSB5D28-4R2	4.2	±30%	0.031	2.20
TSB5D28-5R3	5.3	±30%	0.038	1.90
TSB5D28-6R2	6.2	±30%	0.045	1.80
TSB5D28-8R2	8.2	±30%	0.053	1.60
TSB5D28-100	10	±30%	0.065	1.30
TSB5D28-120	12	±30%	0.076	1.20
TSB5D28-150	15	±30%	0.103	1.10
TSB5D28-180	18	±30%	0.110	1.00
TSB5D28-220	22	±30%	0.122	0.90
TSB5D28-270	27	±30%	0.175	0.85
TSB5D28-330	33	±30%	0.189	0.75
TSB5D28-390	39	±30%	0.212	0.70
TSB5D28-470	47	±30%	0.250	0.62
TSB5D28-560	56	±30%	0.305	0.58
TSB5D28-680	68	±30%	0.355	0.52
TSB5D28-820	82	±30%	0.463	0.46
TSB5D28-101	100	±30%	0.520	0.42

1. Measuring frequency inductance at 100KHz 1 Vrms.
2. The rated current indicates the current when the inductance decreases to 65% of initial value or DC current when the temperature of Coil is increased by 30°C. the smaller one is defined as rated current. (Ta=20°C)

Electrical Specification

Unit:(m/m)

Part number	L (μH)	Inductance Tolerance %	D.C. Resistance (max.)	Inductance Decrease Current (A)max.
TSB6D28-3R0	3.0	±30%	0.024	3.00
TSB6D28-3R9	3.9	±30%	0.027	2.60
TSB6D28-5R0	5.0	±30%	0.031	2.40
TSB6D28-6R0	6.0	±30%	0.035	2.25
TSB6D28-7R3	7.3	±30%	0.054	2.10
TSB6D28-8R6	8.6	±30%	0.058	1.85
TSB6D28-100	10	±30%	0.065	1.70
TSB6D28-120	12	±30%	0.070	1.55
TSB6D28-150	15	±30%	0.084	1.40
TSB6D28-180	18	±30%	0.095	1.32
TSB6D28-220	22	±30%	0.128	1.20
TSB6D28-270	27	±30%	0.142	1.05
TSB6D28-330	33	±30%	0.165	0.97
TSB6D28-390	39	±30%	0.210	0.86
TSB6D28-470	47	±30%	0.238	0.80
TSB6D28-560	56	±30%	0.277	0.73
TSB6D28-680	68	±30%	0.304	0.65
TSB6D28-820	82	±30%	0.390	0.60
TSB6D28-101	100	±30%	0.535	0.54

1. Measuring frequency inductance at 100KHz 1 Vrms.
2. The rated current indicates the current when the inductance decreases to 65% of initial value or DC current when the temperature of Coil is increased by 30°C. the smaller one is defined as rated current. (Ta=20°C)

Electrical Specification

Unit:(m/m)

Part number	L (μH)	Inductance Tolerance %	D.C. Resistance (max.)	Inductance Decrease Current (A)max.
TSB6D38-3R3	3.3	±30%	0.020	3.50
TSB6D38-5R0	5.0	±30%	0.024	2.90
TSB6D38-6R2	6.2	±30%	0.027	2.50
TSB6D38-7R4	7.4	±30%	0.031	2.30
TSB6D38-8R7	8.7	±30%	0.034	2.20
TSB6D38-100	10	±30%	0.038	2.00
TSB6D38-120	12	±30%	0.053	1.70
TSB6D38-150	15	±30%	0.057	1.60
TSB6D38-180	18	±30%	0.092	1.50
TSB6D38-220	22	±30%	0.096	1.30
TSB6D38-270	27	±30%	0.109	1.20
TSB6D38-330	33	±30%	0.124	1.10
TSB6D38-390	39	±30%	0.138	1.00
TSB6D38-470	47	±30%	0.155	0.95
TSB6D38-560	56	±30%	0.202	0.85
TSB6D38-680	68	±30%	0.234	0.75
TSB6D38-820	82	±30%	0.324	0.70
TSB6D38-101	100	±30%	0.358	0.65

1. Measuring frequency inductance at 100KHz 1 Vrms.
2. The rated current indicates the current when the inductance decreases to 65% of initial value or DC current when the temperature of Coil is increased by 30°C. the smaller one is defined as rated current. (Ta=20°C)