

Data Sheet

Customer:

Product: Shielded Molding SMD Power Inductor– SDB Series

Sizes.: 0420/0520/0530/0620/0625/0630/1040/1340/1350/1365

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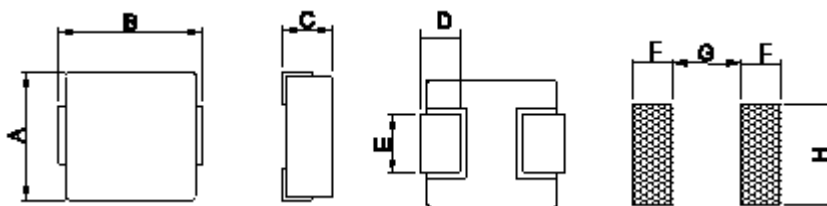
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Shielded Molding SMD Power Inductor



Features

- Large current adaptable
- Footprint compatible with most standard
- Lower temperature rise at large current
- Low profile, low DCR
- Available on tape and reel for auto surface mounting

Applications

- Laptop / Desktop / Notebook Computers
- Terminals / Portable Servers / Workstation
- DC/DC Converter in Distributed Power Systems or VRM Applications
- Thin Type On-board Power Supply Module for Exchanger

Characteristics

- Saturation Rated Current would cause inductance to drop approximately 25%(0402 drop approximately 30%)
- Temperature Rise Current would cause an approximately ΔT of 40°C
- All test data is referred to 25°C ambient

Dimensions

Unit: mm

Type	A	B	C max.	D	E	F	G	H
SDB0420	4.1±0.5	4.5±0.5	2.1	0.8±0.5	2.0±0.5	1.5	2.5	2.2
SDB0520	5.0±0.5	5.5±0.5	2.0	1.2±0.5	2.0±0.5	2.0	3.0	2.5
SDB0530	5.0±0.5	5.5±0.5	3.0	1.2±0.5	2.0±0.5	2.0	3.0	2.5
SDB0620	6.8 max	7.6 max	2.0	1.6±0.5	2.9±0.5	2.5	3.7	3.5
SDB0625	6.8 max	7.6 max	2.5	1.6±0.5	2.9±0.5	2.5	3.7	3.5
SDB0630	6.8 max	7.6 max	3.0	1.6±0.5	2.9±0.5	2.5	3.7	3.5
SDB0650	6.8 max	7.6 max	5.0	1.6±0.5	2.9±0.5	2.5	3.7	3.5
SDB1040	10.4 max	11.5 max	4.0	2.2±0.5	2.9±0.5	3.5	6.0	4.0
SDB1340	13.0 max	14.2 max	4.0	2.3±0.5	3.6±0.5	2.9	7.9	5.0
SDB1350	13.0 max	14.2 max	5.0	2.3±0.5	3.6±0.5	2.9	7.9	5.0
SDB1365	13.0 max	14.2 max	6.5	2.3±0.5	3.6±0.5	2.9	7.9	5.0

Inductance and rated current ranges

- SDB0420 0.10μH~3.3μH @Saturation Current: 22~4A
- SDB0520 0.10μH~4.7μH @Saturation Current: 45~5A
- SDB0530 0.10μH~4.7μH @Saturation Current: 27~8.2A
- SDB0620 0.10μH~4.7μH @Saturation Current: 40~8A
- SDB0625 0.10μH~10μH @Saturation Current: 50~7A
- SDB0630 0.10μH~22μH @Saturation Current: 60~4.5A
- SDB0650 0.56μH~10μH @Saturation Current: 12~4.5A
- SDB1040 0.19μH~15μH @Saturation Current: 90~8A
- SDB1340 0.10μH~10μH @Saturation Current: 84~14A
- SDB1350 0.10μH~10μH @Saturation Current: 118~16A
- SDB1365 0.10μH~22μH @Saturation Current: 120~10A

— Test equipment:

L: HP4284A LCR meter

DCR: Milli-ohm meter

— Electrical specifications at 25°C

— Operating temperature rang: -40°C~+125°C

— Storage Temperature: 5°C~25°C ; Humidity: 25%~80%

— Shelf life: 1 years Max

Product Identification

SDB	0630	M	T	100
Product Type	Dimensions (AxC)	Inductor Tolerance	Packaging Style	Inductance
	0420: 4.1×2.1 0520: 5.0×2.0 0530: 5.0×3.0 0620: 6.8×2.0 0625: 6.8×2.5 0630: 6.8×3.0 0650: 6.8×5.0 1040: 10.4×4.0 1340: 13.0×4.0 1350: 13.0×5.0 1365: 13.0×6.5	M: ±20%	T: Tape and Reel	R10: 0.10μH 1R0: 1.0μH 100: 10μH

Electrical Characteristics

SDB0420 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB0420□TR10	0.10	M	100KHz, 0.25V	4.0	22.0	12.0
SDB0420□TR22	0.22	M	100KHz, 0.25V	6.6	12.5	9.0
SDB0420□TR47	0.47	M	100KHz, 0.25V	14	9.5	7.0
SDB0420□TR56	0.56	M	100KHz, 0.25V	16	8.5	6.5
SDB0420□TR68	0.68	M	100KHz, 0.25V	18	9.0	6.0
SDB0420□T1R0	1.0	M	100KHz, 0.25V	27	7.0	4.5
SDB0420□T1R5	1.5	M	100KHz, 0.25V	46	6.0	4.0
SDB0420□T2R2	2.2	M	100KHz, 0.25V	58	5.0	3.0
SDB0420□T3R3	3.3	M	100KHz, 0.25V	87	4.0	2.5

SDB0520 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB0520□TR10	0.10	M	100KHz, 0.25V	3.9	45.0	17.0
SDB0520□TR22	0.22	M	100KHz, 0.25V	5.2	22.0	15.0
SDB0520□TR33	0.33	M	100KHz, 0.25V	8.2	25.0	12.0
SDB0520□TR47	0.47	M	100KHz, 0.25V	9.4	21.0	11.5
SDB0520□TR68	0.68	M	100KHz, 0.25V	12.4	15.0	10.0
SDB0520□T1R0	1.0	M	100KHz, 0.25V	20.0	16.0	7.0
SDB0520□T2R2	2.2	M	100KHz, 0.25V	50.1	9.5	4.2
SDB0520□T3R3	3.3	M	100KHz, 0.25V	85.5	8.5	3.3
SDB0520□T4R7	4.7	M	100KHz, 0.25V	116.6	5.0	2.8

Shielded Molding SMD Power Inductor
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SDB0530 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB0530□TR10	0.10	M	100KHz, 0.25V	3.16	27.0	23.0
SDB0530□TR22	0.22	M	100KHz, 0.25V	4.52	21.0	15.5
SDB0530□TR33	0.33	M	100KHz, 0.25V	5.56	19.0	13.7
SDB0530□TR47	0.47	M	100KHz, 0.25V	7.04	16.0	12.2
SDB0530□TR68	0.68	M	100KHz, 0.25V	8.96	13.5	10.2
SDB0530□TR82	0.82	M	100KHz, 0.25V	11.9	13.0	9.3
SDB0530□T1R0	1.0	M	100KHz, 0.25V	13.7	12.0	9.2
SDB0530□T1R5	1.5	M	100KHz, 0.25V	20.7	11.0	7.2
SDB0530□T2R2	2.2	M	100KHz, 0.25V	29.2	10.0	5.8
SDB0530□T3R3	3.3	M	100KHz, 0.25V	54.7	8.5	5.0
SDB0530□T4R7	4.7	M	100KHz, 0.25V	77.5	8.2	3.5

SDB0620 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB0620□TR10	0.10	M	100KHz, 0.25V	3.5	40.00	18.00
SDB0620□TR15	0.15	M	100KHz, 0.25V	5.2	38.00	15.00
SDB0620□TR22	0.22	M	100KHz, 0.25V	5.7	26.00	14.00
SDB0620□TR33	0.33	M	100KHz, 0.25V	7.0	18.00	12.00
SDB0620□TR47	0.47	M	100KHz, 0.25V	9.3	18.00	11.00
SDB0620□TR68	0.68	M	100KHz, 0.25V	13.9	17.00	9.00
SDB0620□TR82	0.82	M	100KHz, 0.25V	15.9	17.00	8.00
SDB0620□T1R0	1.0	M	100KHz, 0.25V	18.3	14.00	7.00
SDB0620□T1R5	1.5	M	100KHz, 0.25V	34.0	13.00	4.00
SDB0620□T2R2	2.2	M	100KHz, 0.25V	46.0	11.50	3.75
SDB0620□T3R3	3.3	M	100KHz, 0.25V	60.1	10.00	3.25
SDB0620□T4R7	4.7	M	100KHz, 0.25V	78.0	8.00	3.00

SDB0625 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB0625□TR10	0.10	M	100KHz, 0.25V	1.7	50.0	30.0
SDB0625□TR22	0.22	M	100KHz, 0.25V	3.2	34.0	21.0
SDB0625□TR33	0.33	M	100KHz, 0.25V	4.1	22.0	18.0
SDB0625□TR47	0.47	M	100KHz, 0.25V	6.5	21.0	13.5
SDB0625□TR68	0.68	M	100KHz, 0.25V	9.4	18.0	11.0
SDB0625□TR82	0.82	M	100KHz, 0.25V	11.8	17.0	10.0
SDB0625□T1R0	1.0	M	100KHz, 0.25V	14.2	16.0	9.0
SDB0625□T1R5	1.5	M	100KHz, 0.25V	21.2	15.0	7.5
SDB0625□T2R2	2.2	M	100KHz, 0.25V	34.0	14.0	6.5
SDB0625□T3R3	3.3	M	100KHz, 0.25V	51.6	13.0	5.0
SDB0625□T4R7	4.7	M	100KHz, 0.25V	63.0	10.0	4.5
SDB0625□T6R8	6.8	M	100KHz, 0.25V	95.0	9.0	3.5
SDB0625□T8R2	8.2	M	100KHz, 0.25V	106.0	8.0	3.0
SDB0625□T100	10	M	100KHz, 0.25V	129.0	7.0	2.5

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SDB0630 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB0630□TR10	0.10	M	100KHz, 0.25V	1.7	60.0	32.5
SDB0630□TR22	0.22	M	100KHz, 0.25V	2.8	40.0	23.0
SDB0630□TR33	0.33	M	100KHz, 0.25V	3.9	30.0	20.0
SDB0630□TR47	0.47	M	100KHz, 0.25V	4.2	26.0	17.5
SDB0630□TR56	0.56	M	100KHz, 0.25V	4.5	24.5	16.5
SDB0630□TR68	0.68	M	100KHz, 0.25V	5.5	25.0	15.5
SDB0630□TR82	0.82	M	100KHz, 0.25V	8.0	24.0	13.0
SDB0630□T1R0	1.0	M	100KHz, 0.25V	10.0	22.0	11.0
SDB0630□T1R5	1.5	M	100KHz, 0.25V	15.0	18.0	9.0
SDB0630□T2R2	2.2	M	100KHz, 0.25V	20.0	14.0	8.0
SDB0630□T3R3	3.3	M	100KHz, 0.25V	30.0	13.5	6.0
SDB0630□T4R7	4.7	M	100KHz, 0.25V	40.0	10.0	5.5
SDB0630□T6R8	6.8	M	100KHz, 0.25V	60.0	8.0	4.5
SDB0630□T8R2	8.2	M	100KHz, 0.25V	68.0	7.5	4.0
SDB0630□T100	10	M	100KHz, 0.25V	105.0	7.0	3.0
SDB0630□T220	22	M	100KHz, 0.25V	160.0	4.5	2.5
SDB0630□T220-1	22	M	100KHz, 1V	190.0	3.5 Typ	2.0 Typ

SDB0650 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB0650□TR56	0.56	M	100KHz, 0.25V	3.6	12.0	20.0
SDB0650□TR68	0.68	M	100KHz, 0.25V	4.5	11.5	18.0
SDB0650□TR82	0.82	M	100KHz, 0.25V	4.9	13.0	16.5
SDB0650□T1R0	1.0	M	100KHz, 0.25V	6.5	15.0	13.0
SDB0650□T1R5	1.5	M	100KHz, 0.25V	9.0	12.0	12.0
SDB0650□T2R2	2.2	M	100KHz, 0.25V	13.6	10.0	10.0
SDB0650□T3R3	3.3	M	100KHz, 0.25V	20.9	8.0	8.0
SDB0650□T4R7	4.7	M	100KHz, 0.25V	30.3	7.0	6.5
SDB0650□T5R6	5.6	M	100KHz, 0.25V	34.4	7.0	6.0
SDB0650□T6R8	6.8	M	100KHz, 0.25V	44.6	5.5	5.5
SDB0650□T8R2	8.2	M	100KHz, 0.25V	50.7	5.0	5.0
SDB0650□T100	10	M	100KHz, 0.25V	71.3	4.5	4.5

■Electrical Characteristics

SDB1040 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB1040□TR19	0.19	M	100KHz, 0.25V	0.95	90.0	40.0
SDB1040□TR22	0.22	M	100KHz, 0.25V	0.95	90.0	40.0
SDB1040□TR36	0.36	M	100KHz, 0.25V	1.40	60.0	31.5
SDB1040□TR47	0.47	M	100KHz, 0.25V	1.60	38.0	26.0
SDB1040□TR56	0.56	M	100KHz, 0.25V	1.80	49.0	27.5
SDB1040□TR68	0.68	M	100KHz, 0.25V	2.40	42.0	23.0
SDB1040□T1R0	1.0	M	100KHz, 0.25V	4.10	36.0	17.5
SDB1040□T1R5	1.5	M	100KHz, 0.25V	5.80	27.5	15.0
SDB1040□T2R2	2.2	M	100KHz, 0.25V	9.00	25.6	12.0
SDB1040□T3R3	3.3	M	100KHz, 0.25V	11.80	18.6	10.0
SDB1040□T4R7	4.7	M	100KHz, 0.25V	16.50	17.0	9.5
SDB1040□T5R6	5.6	M	100KHz, 0.25V	19.30	16.0	8.5
SDB1040□T6R8	6.8	M	100KHz, 0.25V	23.30	13.5	8.0
SDB1040□T100	10	M	100KHz, 0.25V	36.50	12.0	6.8
SDB1040□T150	15	M	100KHz, 0.25V	60.00	8.0	5.0

SDB1340 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB1340□TR10	0.10	M	100KHz, 0.25V	0.96	84.0	43.0
SDB1340□TR15	0.15	M	100KHz, 0.25V	1.20	75.0	41.0
SDB1340□TR22	0.22	M	100KHz, 0.25V	1.30	65.0	38.5
SDB1340□TR33	0.33	M	100KHz, 0.25V	1.50	62.0	36.5
SDB1340□TR47	0.47	M	100KHz, 0.25V	2.00	55.0	32.0
SDB1340□TR60	0.60	M	100KHz, 0.25V	2.20	51.0	29.0
SDB1340□TR68	0.68	M	100KHz, 0.25V	2.50	49.0	28.0
SDB1340□TR82	0.82	M	100KHz, 0.25V	3.00	44.0	25.0
SDB1340□T1R0	1.0	M	100KHz, 0.25V	3.50	40.0	24.0
SDB1340□T1R5	1.5	M	100KHz, 0.25V	5.50	35.0	19.0
SDB1340□T1R8	1.8	M	100KHz, 0.25V	7.00	30.0	16.5
SDB1340□T2R2	2.2	M	100KHz, 0.25V	8.00	29.0	16.0
SDB1340□T3R3	3.3	M	100KHz, 0.25V	12.00	27.0	12.0
SDB1340□T4R7	4.7	M	100KHz, 0.25V	15.00	24.0	10.0
SDB1340□T5R6	5.6	M	100KHz, 0.25V	19.00	19.0	9.5
SDB1340□T6R8	6.8	M	100KHz, 0.25V	22.00	18.0	9.0
SDB1340□T8R2	8.2	M	100KHz, 0.25V	28.00	16.0	8.5
SDB1340□T100	10	M	100KHz, 0.25V	34.00	14.0	7.0

Electrical Characteristics

SDB1350 Type(□:Tolerance):

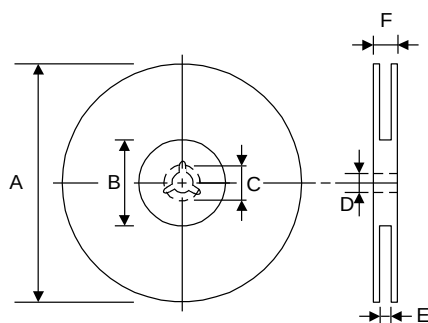
Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB1350□TR10	0.10	M	100KHz, 0.25V	0.6	118.0	55.0
SDB1350□TR22	0.22	M	100KHz, 0.25V	0.8	110.0	51.0
SDB1350□TR33	0.33	M	100KHz, 0.25V	1.1	80.0	42.0
SDB1350□TR47	0.47	M	100KHz, 0.25V	1.3	65.0	38.0
SDB1350□TR56	0.56	M	100KHz, 0.25V	1.5	55.0	36.0
SDB1350□TR68	0.68	M	100KHz, 0.25V	1.7	54.0	34.0
SDB1350□TR82	0.82	M	100KHz, 0.25V	2.3	53.0	31.0
SDB1350□T1R0	1.0	M	100KHz, 0.25V	2.5	50.0	29.0
SDB1350□T1R5	1.5	M	100KHz, 0.25V	4.1	48.0	23.0
SDB1350□T1R8	1.8	M	100KHz, 0.25V	4.9	40.0	19.0
SDB1350□T2R2	2.2	M	100KHz, 0.25V	5.5	32.0	20.0
SDB1350□T3R3	3.3	M	100KHz, 0.25V	9.2	32.0	15.0
SDB1350□T4R7	4.7	M	100KHz, 0.25V	15.0	27.0	12.0
SDB1350□T5R6	5.6	M	100KHz, 0.25V	16.5	22.0	11.5
SDB1350□T6R8	6.8	M	100KHz, 0.25V	18.5	21.0	11.0
SDB1350□T7R8	7.8	M	100KHz, 0.25V	20.5	18.0	10.0
SDB1350□T8R2	8.2	M	100KHz, 0.25V	22.5	18.0	9.5
SDB1350□T100	10	M	100KHz, 0.25V	25.5	16.0	9.0

SDB1365 Type(□:Tolerance):

Part No	Inductance (uH)	Tolerance	Test Condition	DCR (mΩ) Max.	Saturation Current (A) Max.	Temperature Rise Current (A) Max.
SDB1365□TR10	0.10	M	100KHz, 0.25V	0.5	120.0	60.0
SDB1365□TR15	0.15	M	100KHz, 0.25V	0.6	118.0	55.0
SDB1365□TR22	0.22	M	100KHz, 0.25V	0.7	112.0	53.0
SDB1365□TR30	0.30	M	100KHz, 0.25V	0.8	72.0	48.0
SDB1365□TR33	0.33	M	100KHz, 0.25V	0.9	65.0	46.0
SDB1365□TR40	0.40	M	100KHz, 0.25V	1.0	64.0	44.0
SDB1365□TR47	0.47	M	100KHz, 0.25V	1.2	63.0	41.0
SDB1365□TR56	0.56	M	100KHz, 0.25V	1.4	62.0	37.0
SDB1365□TR68	0.68	M	100KHz, 0.25V	1.6	60.0	35.0
SDB1365□TR82	0.82	M	100KHz, 0.25V	1.9	50.0	33.0
SDB1365□T1R0	1.0	M	100KHz, 0.25V	2.0	49.0	32.0
SDB1365□T1R0-1	1.0	M	100KHz, 1V	2.0	49.0	32.0
SDB1365□T1R2	1.2	M	100KHz, 0.25V	2.5	48.0	30.0
SDB1365□T1R5	1.5	M	100KHz, 0.25V	3.0	45.0	27.0
SDB1365□T1R8	1.8	M	100KHz, 0.25V	3.2	41.0	24.0
SDB1365□T2R2	2.2	M	100KHz, 0.25V	4.2	40.0	22.0
SDB1365□T3R3	3.3	M	100KHz, 0.25V	6.8	35.0	18.0
SDB1365□T4R7	4.7	M	100KHz, 0.25V	8.7	32.0	13.5
SDB1365□T5R6	5.6	M	100KHz, 0.25V	10.0	32.0	13.5
SDB1365□T6R8	6.8	M	100KHz, 0.25V	14.0	16.5	11.5
SDB1365□T8R2	8.2	M	100KHz, 0.25V	15.5	16.0	10.5
SDB1365□T100	10	M	100KHz, 0.25V	17.2	15.5	10.0
SDB1365□T100-1	10	M	100KHz, 1V	17.2	15.5	10.0
SDB1365□T220	22	M	100KHz, 0.25V	40.0	10.0	10.0

■ Packaging

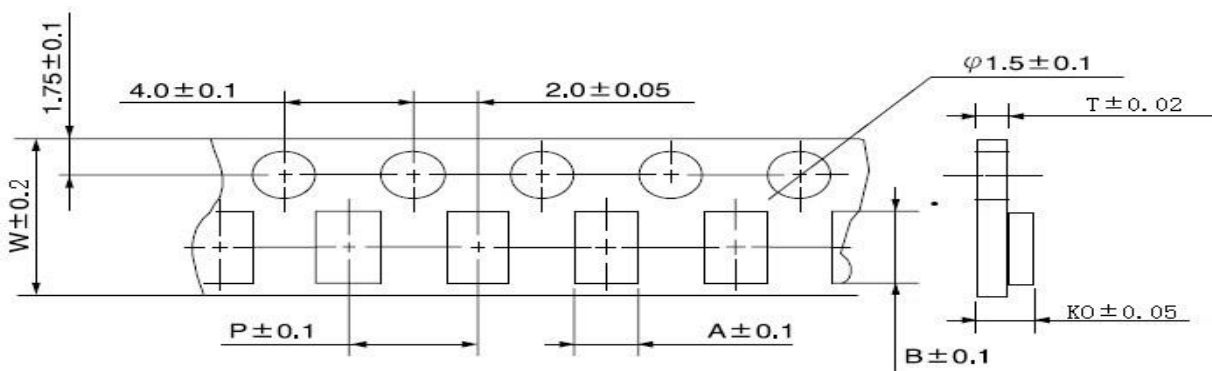
Reel Specifications & Packaging Quantity



Unit: mm

Type	Packaging Quantity	Tape Width	Reel Diameter	A Typ.	B Typ.	C	D	E	F
SDB0420	3500	12mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	12.0±0.5	15.0±2.0
SDB0520	3000	12mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	12.0±0.5	16.0±2.0
SDB0530	2500	12mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	12.0±0.5	15.0±2.0
SDB0620	2000	16mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	16.0±0.5	20.0±2.0
SDB0625	2000	16mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	16.0±0.5	20.0±2.0
SDB0630	1500	16mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	16.0±0.5	20.0±2.0
SDB0650	800	16mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	16.0±0.5	20.0±2.0
SDB1040	800	24mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	24.0±0.5	30.0±2.0
SDB1340	500	24mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	24.0±0.5	28.0±2.0
SDB1350	500	24mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	24.0±0.5	28.0±2.0
SDB1365	500	24mm	13 inch	330.0	100.0	21.0±0.8	13.0±1.0	24.0±0.5	28.0±2.0

Tape Specifications



Unit: mm

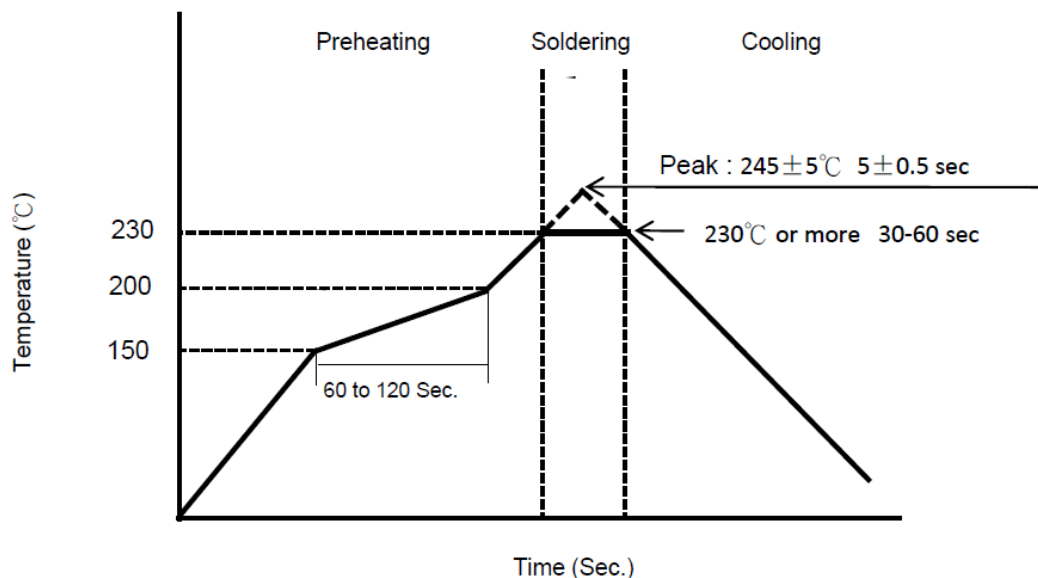
Type	A	B	W	P	T	K0
SDB0420	5.20	4.60	12.00	8.00	0.30	2.10
SDB0520	6.00	5.60	12.00	8.00	0.35	2.10
SDB0530	6.00	5.60	12.00	8.00	0.35	3.10
SDB0620	7.60	7.20	16.00	12.00	0.35	2.10
SDB0625	7.50	7.20	16.00	12.00	0.35	2.50
SDB0630	7.50	7.20	16.00	12.00	0.31	3.60
SDB0650	7.50	7.20	16.00	12.00	0.35	5.10
SDB1040	10.60	11.80	24.00	16.00	0.40	4.20
SDB1340	13.50	14.20	24.00	16.00	0.40	5.20
SDB1350	13.50	14.20	24.00	16.00	0.40	5.20
SDB1365	13.50	14.20	24.00	16.00	0.40	7.00

Shielded Molding SMD Power Inductor

General Characteristics

Item	Requirement	Test Method															
Solderability	More than 90% of the terminal electrode should be covered with solder	230±5°C for 4±1 seconds															
Solder Heat Resistance	Inductance within±20% of initial value No disconnection or short circuit The appearance shall not break	260±5°C for 10±1 seconds															
Heat Resistance		Temperature: 125±5°C Time: 500 hours Tested after 2 hour at room temperature															
Cold Resistance		Temperature: -40±5°C Time: 500 hours Tested after 2 hour at room temperature															
Thermal Shock		One cycle: <table><tr><td>Step</td><td>Temperature(°C)</td><td>Time (min.)</td></tr><tr><td>1</td><td>-40±5°C</td><td>30</td></tr><tr><td>2</td><td>Room temperature</td><td>3</td></tr><tr><td>3</td><td>125±5°C</td><td>30</td></tr><tr><td>4</td><td>Room temperature</td><td>3</td></tr></table>	Step	Temperature(°C)	Time (min.)	1	-40±5°C	30	2	Room temperature	3	3	125±5°C	30	4	Room temperature	3
Step		Temperature(°C)	Time (min.)														
1		-40±5°C	30														
2	Room temperature	3															
3	125±5°C	30															
4	Room temperature	3															
Humidity Resistance	Temperature: 40±2°C, 90~95% relative humidity Time: 500 hours Tested after 2 hour at room temperature																
Vibration Test	Inductance within±5% of initial value The appearance shall not break	After vibration for 1hour, in each of three orientations at sweep vibration (10~55~10Hz) with 1.52mm P-P amplitudes															

The condition of reflow (recommendation):



REVISION HISTORY

<u>REVISION</u>	<u>DATE</u>	<u>CHANGE NOTIFICATION</u>	<u>DESCRIPTION</u>
Version C1	Apr 14,2025		-Add Storage conditions and Shelf life.