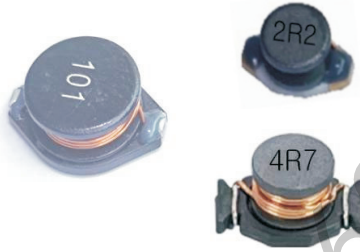


SMD Power Inductors DB Series

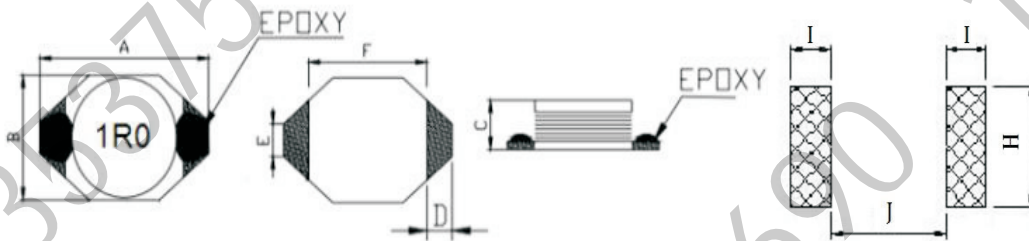
Product Identification:



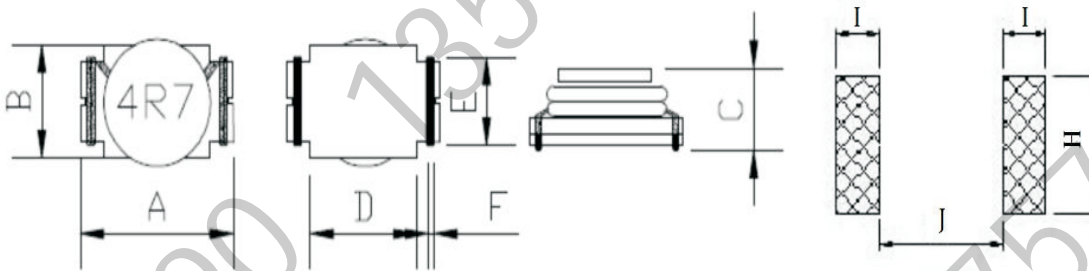
DB - **0603** **H** - **1R0** **M**
 (1) (2) (3) (4) (5)

- (1) Series
- (2) Dimensions(L*H)
- (3) Type
- (4) Inductance (1R0=1.0uH, 100=10uH, 101=100uH)
- (5) Tolerance(K(±10%), L(±15%), M(±20%),N(±30%))

DIMENSIONS DRAWING:

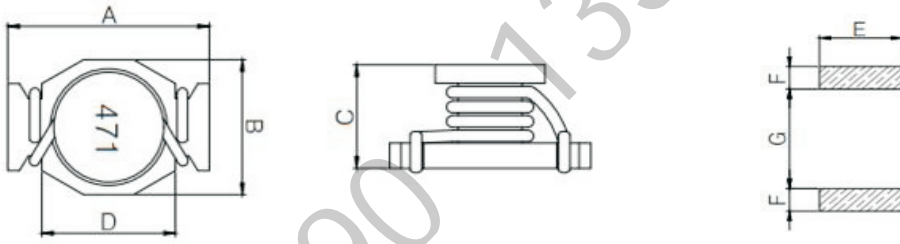


Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	I(mm)	J(mm)
DB-0603	6.6Max	4.5Max	3.0Max	1.02Typ	1.3Typ	4.3Typ	3.56Typ	1.4Typ	4.06

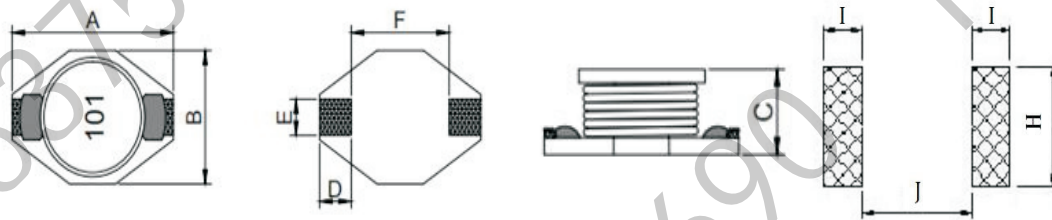


Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	I(mm)	J(mm)
DB-0603H	6.7Max	4.5Max	3.0Max	4.4Typ	2.8Typ	1.0Typ	2.8	2	3.8

DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	-	-	E(mm)	F(mm)	G(mm)
DB-0905H	9.0Max	6.1Max	4.9Max	5.84Typ	-	-	4.0Typ	1.9Typ	5.0Typ



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	I(mm)	J(mm)
DB-1305	13.5Max	9.5Max	5.5Max	2.54Typ	2.54Typ	7.62Typ	2.79Typ	2.92Typ	7.5Typ
DB-1311	13.5Max	9.5Max	11.5Max	2.54Typ	2.54Typ	7.62Typ	2.79Typ	2.92Typ	7.5Typ
DB-1807	18.6Max	15.3Max	7.5Max	2.54Typ	2.54Typ	12.7Typ	2.79Typ	2.92Typ	12.5Typ

SMD Power Inductors DB - 0603 Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR(Ω) Max.	IDC (A) Max.	MARK
DB-0603-1R0□	1	M N	100K/0.1V	50m	2.9	1R0
DB-0603-1R5□	1.5	M N	100K/0.1V	60m	2.6	1R5
DB-0603-2R2□	2.2	M N	100K/0.1V	70m	2.3	2R2
DB-0603-3R3□	3.3	M N	100K/0.1V	80m	2.0	3R3
DB-0603-4R7□	4.7	M N	100K/0.1V	90m	1.5	4R7
DB-0603-6R8□	6.8	M N	100K/0.1V	130m	1.2	6R8
DB-0603-100□	10	M	100K/0.1V	160m	1.1	100
DB-0603-220□	22	M	100K/0.1V	370m	0.7	220
DB-0603-101□	100	K M	100K/0.1V	1.80	0.3	101
DB-0603-221□	220	K M	100K/0.1V	3.11	0.22	221
DB-0603-471□	470	K M	100K/0.1V	7.80	0.16	471

(1).Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)

(2).IDC:Base on temp.rise & ΔL/L0A ≤ 10% MAX · Temp.rise 40℃ Typ

(3).Operating temp.: -40℃ to +125℃

SMD Power Inductors DB - 0603H Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR(Ω) Max.	IDC (A) Max.	MARK
DB-0603H-1R0□	1.0	M N	100K/0.1V	50m	2.9	1R0
DB-0603H-1R5□	1.5	M N	100K/0.1V	60m	2.6	1R5
DB-0603H-2R2□	2.2	M N	100K/0.1V	70m	2.3	2R2
DB-0603H-3R3□	3.3	M N	100K/0.1V	80m	2.0	3R3
DB-0603H-4R7□	4.7	M N	100K/0.1V	90m	1.5	4R7
DB-0603H-6R8□	6.8	M N	100K/0.1V	130m	1.2	6R8
DB-0603H-100□	10	M N	100K/0.1V	160m	1.1	100
DB-0603H-220□	22	M	100K/0.1V	370m	0.7	220
DB-0603H-101□	100	K M	100K/0.1V	1.27	0.3	101

SMD Power Inductors DB - 0905H Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR (mΩ)Max.	IDC (A) Max.	MARK
DB-0905H-R18□	0.18	N	100K/0.25V	5.0	9.0	R18
DB-0905H-R33□	0.33	N	100K/0.25V	9.0	7.0	R33
DB-0905H-R47□	0.47	M N	100K/0.25V	10.0	6.0	R47
DB-0905H-R56□	0.56	M N	100K/0.25V	13.8	5.2	R56
DB-0905H-1R0□	1.0	M	100K/0.25V	18	4.4	1R0
DB-0905H-1R2□	1.2	M	100K/0.25V	19	4.3	1R2
DB-0905H-1R5□	1.5	M	100K/0.25V	20	4.2	1R5
DB-0905H-2R2□	2.2	M	100K/0.25V	35	3.1	2R2
DB-0905H-3R3□	3.3	M	100K/0.25V	43	2.9	3R3
DB-0905H-4R7□	4.7	M	100K/0.25V	54	2.2	4R7
DB-0905H-6R8□	6.8	M	100K/0.25V	90	1.7	6R8
DB-0905H-100□	10	M	100K/0.25V	111	1.5	100
DB-0905H-150□	15	M	100K/0.25V	175	1.2	150
DB-0905H-220□	22	M	100K/0.25V	255	1.0	220
DB-0905H-330□	33	M	100K/0.25V	370	0.82	330
DB-0905H-470□	47	M	100K/0.25V	474	0.72	470
DB-0905H-680□	68	M	100K/0.25V	750	0.58	680
DB-0905H-101□	100	M	100K/0.25V	1110	0.47	101

(1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)

(2).IDC:Base on temp.rise & ΔL/L0A ≤ 10% MAX · Temp.rise 40°C Typ

(3).Operating temp.: -40°C to +125°C

SMD Power Inductors DB - 1305 Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR(mΩ) Max.	IDC1 (A) Max.	IDC2 (A) Max.	MARK
DB-1305-1R0□	1.0	M N	100K/0.1V	9	9.0	6.8	1R0
DB-1305-1R5□	1.5	M N	100K/0.1V	10	8.0	6.4	1R5
DB-1305-2R2□	2.2	M N	100K/0.1V	12	7.0	6.1	2R2
DB-1305-3R3□	3.3	M N	100K/0.1V	15	6.4	5.4	3R3
DB-1305-4R7□	4.7	M N	100K/0.1V	18	5.4	4.8	4R7
DB-1305-6R8□	6.8	M N	100K/0.1V	27	4.6	4.4	6R8
DB-1305-100□	10	M N	100K/0.1V	38	3.8	3.9	100
DB-1305-150□	15	M N	100K/0.1V	46	3.0	3.1	150
DB-1305-220□	22	M N	100K/0.1V	85	2.3	2.7	220
DB-1305-330□	33	M N	100K/0.1V	100	2.0	2.1	330
DB-1305-470□	47	M N	100K/0.1V	140	1.6	1.8	470
DB-1305-680□	68	M N	100K/0.1V	200	1.4	1.5	680
DB-1305-101□	100	K M	100K/0.1V	280	1.2	1.3	101
DB-1305-151□	150	K M	100K/0.1V	400	1.0	1.0	151
DB-1305-221□	220	K M	100K/0.1V	610	0.8	0.8	221
DB-1305-331□	330	K M	100K/0.1V	1020	0.6	0.6	331
DB-1305-471□	470	K M	100K/0.1V	1270	0.5	0.5	471
DB-1305-681□	680	K M	100K/0.1V	2020	0.4	0.4	681
DB-1305-102□	1000	K M	100K/0.1V	3000	0.3	0.3	102
DB-1305-152□	1500	K M	100K/0.1V	4490	0.29	0.27	152
DB-1305-332□	3300	K M	100K/0.1V	8970	0.19	0.17	332

SMD Power Inductors DB - 1311 Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR(mΩ) Max.	IDC1 (A) Max.	IDC2 (A) Max.	MARK
DB-1311-100□	10	M N	100K/0.1V	40	8.0	3.5	100
DB-1311-150□	15	M N	100K/0.1V	50	7.0	3.0	150
DB-1311-220□	22	M N	100K/0.1V	66	5.5	2.5	220
DB-1311-330□	33	M N	100K/0.1V	80	4.0	2.0	330
DB-1311-470□	47	M N	100K/0.1V	110	3.8	1.6	470
DB-1311-680□	68	M N	100K/0.1V	170	3.0	1.2	680
DB-1311-101□	100	K M	100K/0.1V	220	2.5	1.2	101
DB-1311-151□	150	K M	100K/0.1V	340	2.0	0.9	151
DB-1311-221□	220	K M	100K/0.1V	440	1.6	0.7	221
DB-1311-331□	330	K M	100K/0.1V	700	1.2	0.6	331
DB-1311-471□	470	K M	100K/0.1V	950	1.0	0.3	471
DB-1311-681□	680	K M	100K/0.1V	1150	1.0	0.2	681
DB-1311-102□	1000	K M	100K/0.1V	2000	0.8	0.1	102

- (1) Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)
- (2).IDC1:Base on temp.rise & ΔL/LOA 10% Typ
- (3).IDC2:Temp.rise 40°C Typ
- (4).Operating temp.: -40°C to +125°C

SMD Power Inductors DB - 1807 Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR(mΩ) Max.	IDC1 (A) Max.	IDC2 (A) Max.	MARK
DB-1807-1R0□	1.0	M N	100K/0.1V	9	20	8.6	1R0
DB-1807-2R2□	2.2	M N	100K/0.1V	14	16	7.1	2R2
DB-1807-3R3□	3.3	M N	100K/0.1V	18	14	6.2	3R3
DB-1807-5R6□	5.6	M N	100K/0.1V	20	12	5.3	5R6
DB-1807-8R2□	8.2	M N	100K/0.1V	29	10	4.8	8R2
LDB-1807-100□	10	M N	100K/0.1V	31	10	4.3	100
LDB-1807-150□	15	M N	100K/0.1V	36	8.0	4.0	150
LDB-1807-220□	22	M N	100K/0.1V	47	7.0	3.5	220
LDB-1807-330□	33	M N	100K/0.1V	66	5.5	3.0	330
LDB-1807-470□	47	M N	100K/0.1V	86	4.5	2.6	470
LDB-1807-680□	68	M N	100K/0.1V	130	3.5	2.3	680
DB-1807-101□	100	K M	100K/0.1V	190	3.0	1.8	101
DB-1807-151□	150	K M	100K/0.1V	250	2.6	1.5	151
DB-1807-221□	220	K M	100K/0.1V	380	2.4	1.2	221
DB-1807-331□	330	K M	100K/0.1V	560	1.9	1.0	331
DB-1807-471□	470	K M	100K/0.1V	850	1.4	0.82	471
DB-1807-681□	680	K M	100K/0.1V	1100	1.2	0.72	681
DB-1807-102□	1000	K M	100K/0.1V	1800	1.0	0.56	102

(1) Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & ΔL/L0A 10% Typ

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C