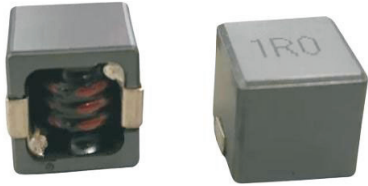


Shielded Power Inductors SQ-B Series**

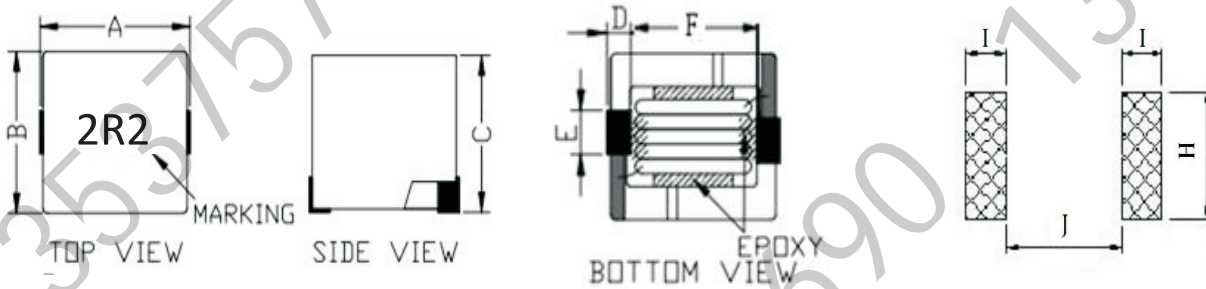
Product Identification:

SQ - **0807** **B** - **1R5** **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)	J(mm)	I(mm)
SQ-0807B	8.4±0.4	7.9±0.3	7.2±0.3	1.5±0.3	2.3±0.3	5.4Typ	3.0Typ	4.4Typ	2.3Typ
SQ-1009B	10.9±0.4	10.0±0.4	9.3±0.4	1.6±0.3	3.0±0.3	7.5Typ	3.6Typ	6.9Typ	2.3Typ
SQ-1210B	12.5Max	11.7Max	10.0Max	2.0Typ	3.5yp	8.0Typ	5.4Typ	7.0Typ	2.9Typ

Shielded Power Inductors SQ-0807B Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)±20%	TEST FREQ.(Hz)	RDC(mΩ) Max	IDC 1 (A) Typ	IDC 2 (A) Typ	MARK
SQ-0807B-R30M	0.3	100KHz/1V	2.7	40.3	20.5	R30
SQ-0807B-R47M	0.47	100KHz/1V	3.1	31.3	19	R47
SQ-0807B-R68M	0.68	100KHz/1V	3.3	23.0	18	R68
SQ-0807B-1R0M	1.0	100KHz/1V	3.9	21.0	17	1R0
SQ-0807B-1R5M	1.5	100KHz/1V	5.6	18.5	16.5	1R5
SQ-0807B-2R2M	2.2	100KHz/1V	6.5	112.9	15	2R2
SQ-0807B-3R3M	3.3	100KHz/1V	8.2	10.8	14	3R3
SQ-0807B-4R7M	4.7	100KHz/1V	13.5	9.5	7.5	4R7
SQ-0807B-6R8M	6.8	100KHz/1V	24.0	8.3	5.5	6R8
SQ-0807B-100M	6.8	100KHz/1V	41.0	7.3	4.4	100

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

(2).IDC1:Base on temp.rise & ΔL/L0A 30% Typ

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors SQ-1009B Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)±20%	TEST FREQ.(Hz)	RDC(mΩ) Max	IDC 1 (A) Typ	IDC 2(A) Typ	MARK
SQ-1009B-R22M	0.22	100KHz/1V	1.6	90.0	21.5	R22
SQ-1009B-R33M	0.33	100KHz/1V	1.6	51.0	21	R33
SQ-1009B-R47M	0.47	100KHz/1V	1.9	46.5	20.5	R47
SQ-1009B-R68M	0.68	100KHz/1V	2.7	41.4	20	R68
SQ-1009B-R82M	0.82	100KHz/1V	3.0	36.8	19.5	R82
SQ-1009B-1R0M	1.0	100KHz/1V	3.5	26.5	19	1R0
SQ-1009B-1R5M	1.5	100KHz/1V	4.0	26.0	18	1R5
SQ-1009B-2R2M	2.2	100KHz/1V	4.8	22.5	16.5	2R2
SQ-1009B-3R3M	3.3	100KHz/1V	7.2	19.3	14	3R3
SQ-1009B-4R7M	4.7	100KHz/1V	9.9	15.0	13	4R7
SQ-1009B-6R8M	6.8	100KHz/1V	15.0	12.4	11.5	6R8
SQ-1009B-8R2M	8.2	100KHz/1V	17.0	9.3	11	8R2
SQ-1009B-100M	10.0	100KHz/1V	23.0	9.0	9	100

Shielded Power Inductors SQ-1210B Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	TEST FREQ.(Hz)	RDC(mΩ) Max	IDC 1 (A) Typ	IDC 2(A) Typ	MARK
SQ-1210B-R22M	0.22 ±20%	100KHz/1V	1.5	55	37	R22
SQ-1210B-R33M	0.33 ±20%	100KHz/1V	1.5	45	37	R33
SQ-1210B-R47M	0.47 ±20%	100KHz/1V	1.8	45	37	R47
SQ-1210B-R56M	0.56 ±20%	100KHz/1V	1.8	35	35	R56
SQ-1210B-R68M	0.68 ±20%	100KHz/1V	1.8	33	35	R68
SQ-1210B-R82M	0.82 ±20%	100KHz/1V	2.4	31	30	R82
SQ-1210B-1R0M	1.00 ±20%	100KHz/1V	2.4	28	30	1R0
SQ-1210B-1R5M	1.5 ±20%	100KHz/1V	3.5	24	25	1R5
SQ-1210B-2R2M	2.2 ±20%	100KHz/1V	4.7	18	21	2R2
SQ-1210B-3R3M	3.3 ±20%	100KHz/1V	6.3	14	15	3R3
SQ-1210B-4R7M	4.7 ±20%	100KHz/1V	8.8	11	12	4R7
SQ-1210B-6R8M	6.8 ±20%	100KHz/1V	12.5	9	10	6R8
SQ-1210B-8R2M	8.2 ±20%	100KHz/1V	13.0	7	9	8R2
SQ-1210B-100M	10.0 ±20%	100KHz/1V	18.7	6	8	100

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

(2).IDC1:Base on temp.rise & ΔL/L0A 30% Typ

(3).IDC2:Temp.rise 40℃ Typ

(4).Operating temp.: -40℃ to +125℃

※:Rated DC Current : The less value which is IDC1 or IDC2