



AEC-Q200

Shielded Power Inductors RB Series AEC-Q200 qualified

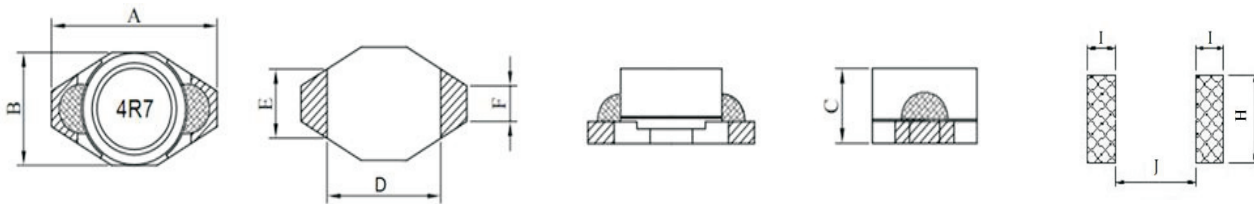
Product Identification:

RB - 0603 - 1R0 M
(1) (2) (3) (4)



- (1) Type
- (2) Dimensions(L*H)
- (3) Inductance (1R0=1.0uH, 100=10uH, 101=100uH)
- (4) 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)
RB-0603	6.5±0.2	4.5Max	2.9±0.2	4.4Typ	2.5Typ	1.3Typ	3.56Typ	1.4Typ	4.06Typ

SMD Power Inductors RB-0603 Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR(Ω) Max.	IDC (A) Max.	MARK
RB-0603-1R0□	1.0	M N	100K/0.1V	40m	3.0	1R0
RB-0603-1R5□	1.5	M N	100K/0.1V	45m	2.8	1R5
RB-0603-2R2□	2.2	M N	100K/0.1V	50m	1.8	2R2
RB-0603-3R3□	3.3	M N	100K/0.1V	60m	1.6	3R3
RB-0603-4R7□	4.7	M N	100K/0.1V	65m	1.4	4R7
RB-0603-6R8□	6.8	M N	100K/0.1V	70m	1.2	6R8
RB-0603-100□	10	M	100K/0.1V	75m	1.0	100
RB-0603-150□	15	M	100K/0.1V	90m	0.8	150
RB-0603-220□	22	M	100K/0.1V	0.11	0.7	220
RB-0603-330□	33	M	100K/0.1V	0.19	0.6	330
RB-0603-470□	47	M	100K/0.1V	0.23	0.5	470
RB-0603-680□	68	M	100K/0.1V	0.29	0.4	680
RB-0603-101□	100	M	100K/0.1V	0.48	0.3	101
RB-0603-151□	150	M	100K/0.1V	0.59	0.26	151
RB-0603-221□	220	M	100K/0.1V	0.77	0.22	221
RB-0603-331□	330	M	100K/0.1V	1.4	0.2	331
RB-0603-471□	470	M	100K/0.1V	1.8	0.19	471
RB-0603-681□	680	M	100K/0.1V	2.2	0.18	681
RB-0603-102□	1000	M	100K/0.1V	3.4	0.15	102

- (1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)
- (2).IDC:The DC current at which causes initial inductance to decreases by 30%Typ, or temperature to rise by 40℃, whichever is lower(At ambient reference temperature:25℃).
- (3).Operating temp.: -40℃ to +125℃