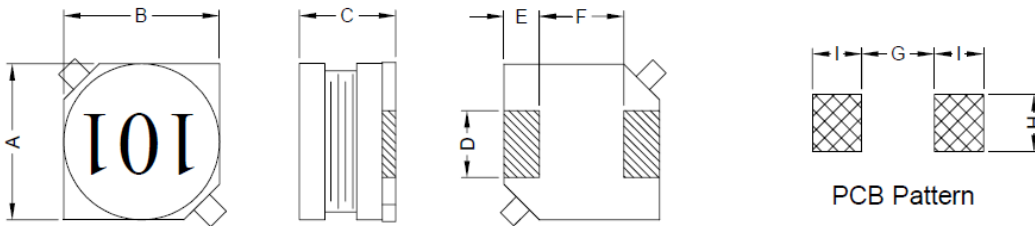


SMD POWER INDUCTOR

SERIE: MSB0603 6,0 x 6,0 x 2,9mm

DIMENSIONS:

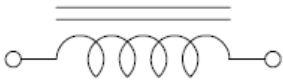
VPE: 1000pcs.



Unit:m/m

A	B	C	D	E	F	G	H	I
6.0±0.3	6.0±0.3	2.9±0.3	2.0±0.2	1.5±0.2	3.0±0.2	2.8 Ref.	2.2 Ref.	1.9 Ref.

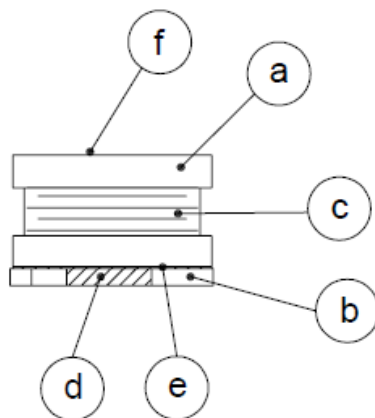
SCHEMATIC:



GENERAL SPECIFICATION :

- 1- Temp. rise: 40°C Max.
- 2- Operating temp. : -40°C to + 85°C
- 3- Storage temp. : -40°C to + 125°C
- 4- Rated current: Base on temp. rise & $\Delta L/L0A=10\%$ Max.
- 5- Resistance to solder heat: 260°C. 10sec.

MATERIALS:



- (a) Core : DR Ferrite Core
- (b) Base : LCP
- (c) Wire : Enamelled Copper Wire
- (d) Terminal : Tinned Copper Plate
- (e) Adhesive : Epoxy
- (f) Ink : Bon Margue

NOTE : Specifications subject to change without notice. Please check our website for latest information.

SMD POWER INDUCTOR

SERIE: MSB0603 6,0 x 6,0 x 2,9mm



ELECTRICAL CHARACTERISTICS:

Part No.	L (uH)	Tolerance	Test Frequency (MHz)	Q	SRF (MHz) Min.	RDC (mΩ) Max	IDC (A)
MSB0603 - 1R2	1,2	20%	1V / 100K	30	150	25	2,80
MSB0603 - 1R5	1,5	20%	1V / 100K	30	135	28	2,60
MSB0603 - 2R2	2,2	20%	1V / 100K	30	85	30	2,30
MSB0603 - 3R3	3,3	20%	1V / 100K	30	70	55	2,00
MSB0603 - 4R7	4,7	20%	1V / 100K	25	60	65	1,85
MSB0603 - 6R8	6,8	20%	1V / 100K	30	45	90	1,65
MSB0603 - 100	10	20%	1V / 100K	25	35	115	1,45
MSB0603 - 120	12	20%	1V / 100K	30	33	150	1,20
MSB0603 - 150	15	20%	1V / 100K	25	32	180	1,15
MSB0603 - 180	18	20%	1V / 100K	30	30	230	1,05
MSB0603 - 220	22	20%	1V / 100K	30	28	250	1,00
MSB0603 - 270	27	20%	1V / 100K	30	27	350	0,95
MSB0603 - 330	33	10%	1V / 100K	25	22	380	0,90
MSB0603 - 390	39	10%	1V / 100K	25	20	410	0,80
MSB0603 - 470	47	10%	1V / 100K	40	16	430	0,75
MSB0603 - 560	56	10%	1V / 100K	40	15	620	0,70
MSB0603 - 680	68	10%	1V / 100K	40	13	710	0,60
MSB0603 - 820	82	10%	1V / 100K	50	11	730	0,50
MSB0603 - 101	100	10%	1V / 100K	45	10	1050	0,48
MSB0603 - 121	120	10%	1V / 100K	40	9,5	1180	0,45
MSB0603 - 151	150	10%	1V / 100K	50	9	1800	0,40
MSB0603 - 181	180	10%	1V / 100K	50	8	1950	0,35
MSB0603 - 221	220	10%	1V / 100K	55	7	2960	0,30
MSB0603 - 271	270	10%	1V / 100K	55	6,5	3450	0,28
MSB0603 - 331	330	10%	1V / 100K	50	6	3800	0,26

NOTE : Specifications subject to change without notice. Please check our website for latest information.

SMD POWER INDUCTOR

SERIE: MSB0603 6,0 x 6,0 x 2,9mm



ELECTRICAL CHARACTERISTICS:

Part No.	L (uH)	Tolerance	Test Frequency (MHz)	Q	SRF (MHz) Min.	RDC (mΩ) Max	IDC (A) Max.
MSB0603 - 391	390	10%	1V / 100K	50	5	4000	0,24
MSB0603 - 471	470	10%	1V / 100K	60	4,8	4400	0,22
MSB0603 - 561	560	10%	1V / 100K	60	4,4	6200	0,20
MSB0603 - 681	680	10%	1V / 100K	60	4	6800	0,18
MSB0603 - 821	820	10%	1V / 100K	60	3,8	12000	0,16
MSB0603 - 102	1000	10%	1V / 100K	60	3,5	13500	0,14

NOTE : Specifications subject to change without notice. Please check our website for latest information.