

# SMD POWER INDUCTOR

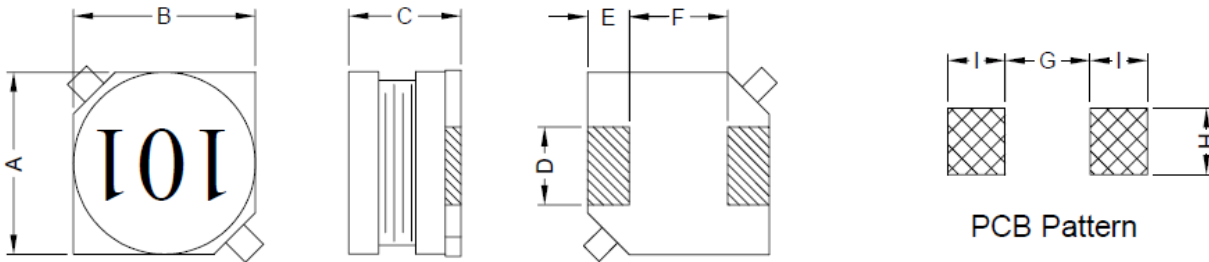
**SERIE:** MSB0604 6,0 x 6,0 x 3,9mm

## DIMENSIONS:

VPE: 1000pcs.



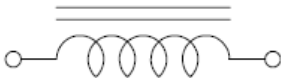
RoHS Compliant



Unit:m/m

A	B	C	D	E	F	G	H	I
6.0±0.3	6.0±0.3	3.9±0.3	2.0±0.2	1.5±0.2	3.0±0.2	2.8 Ref.	2.2 Ref.	1.9 Ref.

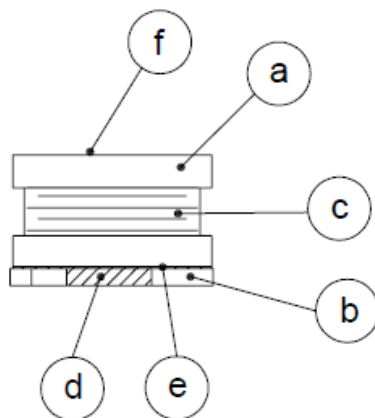
## SCHEMATIC:



## 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.

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**SERIE:** MSB0604 6,0 x 6,0 x 3,9mm



## ELECTRICAL CHARACTERISTICS:

Part No.	L ( $\mu$ H)	Tolerance	Test Frequency (MHz)	RDC (m $\Omega$ ) Max	IDC (A)
MSB0604 - 1R2	1,2	20%	1V / 100K	25	3,00
MSB0604 - 1R8	1,8	20%	1V / 100K	30	2,85
MSB0604 - 2R2	2,2	20%	1V / 100K	35	2,65
MSB0604 - 3R3	3,3	20%	1V / 100K	40	2,35
MSB0604 - 4R7	4,7	20%	1V / 100K	45	2,15
MSB0604 - 6R8	6,8	20%	1V / 100K	60	1,85
MSB0604 - 100	10	20%	1V / 100K	85	1,60
MSB0604 - 120	12	20%	1V / 100K	90	1,50
MSB0604 - 150	15	20%	1V / 100K	110	1,45
MSB0604 - 180	18	20%	1V / 100K	120	1,30
MSB0604 - 220	22	20%	1V / 100K	160	1,25
MSB0604 - 270	27	20%	1V / 100K	190	1,10
MSB0604 - 330	33	10%	1V / 100K	280	1,00
MSB0604 - 390	39	10%	1V / 100K	300	0,90
MSB0604 - 470	47	10%	1V / 100K	330	0,85
MSB0604 - 560	56	10%	1V / 100K	410	0,80
MSB0604 - 680	68	10%	1V / 100K	450	0,70
MSB0604 - 820	82	10%	1V / 100K	600	0,60
MSB0604 - 101	100	10%	1V / 100K	660	0,55
MSB0604 - 121	120	10%	1V / 100K	720	0,50
MSB0604 - 151	150	10%	1V / 100K	1050	0,45
MSB0604 - 181	180	10%	1V / 100K	1150	0,40
MSB0604 - 221	220	10%	1V / 100K	1250	0,35
MSB0604 - 271	270	10%	1V / 100K	1800	0,30
MSB0604 - 331	330	10%	1V / 100K	1950	0,28

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## ELECTRICAL CHARACTERISTICS:

Part No.	L ( $\mu$ H)	Tolerance	Test Frequency (MHz)	RDC ( $m\Omega$ ) Max	IDC (A) Max.
<b>MSB0604 - 391</b>	390	10%	1V / 100K	2780	0,25
<b>MSB0604 - 471</b>	470	10%	1V / 100K	2980	0,23
<b>MSB0604 - 561</b>	560	10%	1V / 100K	3300	0,21
<b>MSB0604 - 681</b>	680	10%	1V / 100K	5100	0,20
<b>MSB0604 - 821</b>	820	10%	1V / 100K	5400	0,18
<b>MSB0604 - 102</b>	1000	10%	1V / 100K	6000	0,16

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