

# SMD POWER INDUCTOR

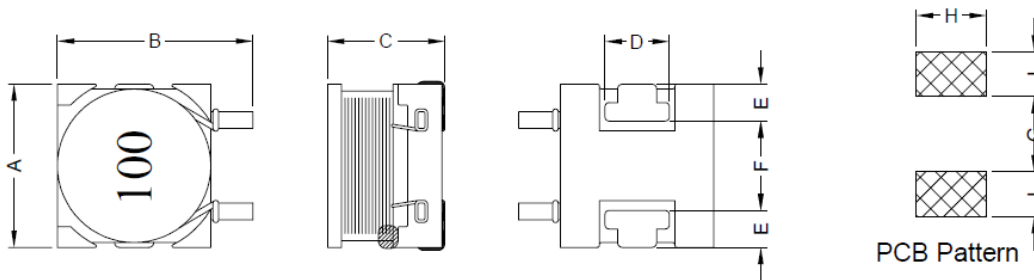
**SERIE:** MSB1108 11,7 x 14,0 x 8,40mm

## DIMENSIONS:

VPE: 400pcs.



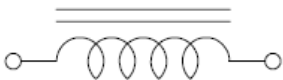
RoHS Compliant



Unit:m/m

A	B	C	D	E	F	G	H	I
11.70 Max.	14.00 Max.	8.40 Max.	4.00 Ref.	2.54 Ref.	6.10 Ref.	5.40 Ref.	5.00 Ref.	3.20 Ref.

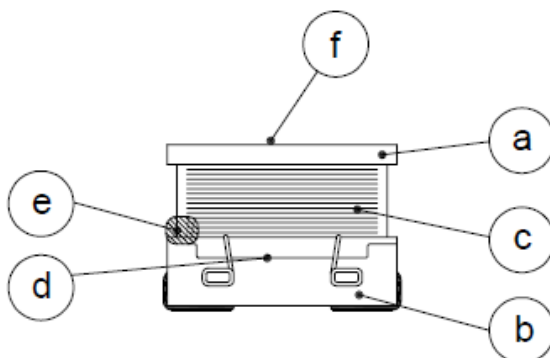
## SCHEMATIC:



## GENERAL SPECIFICATION :

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

## MATERIALS:



- (a) Core : DR Ferrite Core
- (b) Base : LCP
- (c) Wire : Enamelled Copper Wire
- (d) Adhesive : Epoxy
- (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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COILS ■ ELEKTRONIK ■ TRANSFORMERS

## ELECTRICAL CHARACTERISTICS:

Part No.	L ( $\mu$ H)	Tolerance	Test Frequency (MHz)	RDC ( $\Omega$ ) Max	I <sub>rms</sub> (A) Max.	I <sub>sat</sub> (A) Max.
MSB1108 - 100	10	20%	1V / 1K	0,06	3,50	6,00
MSB1108 - 120	12	20%	1V / 1K	0,07	3,40	5,60
MSB1108 - 150	15	20%	1V / 1K	0,08	3,10	4,90
MSB1108 - 180	18	20%	1V / 1K	0,09	3,00	4,30
MSB1108 - 220	22	20%	1V / 1K	0,10	2,60	4,10
MSB1108 - 270	27	20%	1V / 1K	0,11	2,40	3,60
MSB1108 - 330	33	20%	1V / 1K	0,12	2,30	3,30
MSB1108 - 390	39	20%	1V / 1K	0,14	2,10	3,00
MSB1108 - 470	47	20%	1V / 1K	0,17	1,95	2,80
MSB1108 - 560	56	20%	1V / 1K	0,19	1,85	2,50
MSB1108 - 680	68	20%	1V / 1K	0,22	1,65	2,30
MSB1108 - 820	82	20%	1V / 1K	0,25	1,50	2,00
MSB1108 - 101	100	20%	1V / 1K	0,35	1,40	1,80
MSB1108 - 121	120	20%	1V / 1K	0,40	1,30	1,70
MSB1108 - 151	150	20%	1V / 1K	0,47	1,20	1,50
MSB1108 - 181	180	20%	1V / 1K	0,63	1,00	1,40
MSB1108 - 221	220	20%	1V / 1K	0,73	0,95	1,30
MSB1108 - 271	270	20%	1V / 1K	0,97	0,90	1,20

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## ELECTRICAL CHARACTERISTICS:

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<b>MSB1108 - 331</b>	330	20%	1V / 1K	1,15	8,00	1,00
<b>MSB1108 - 391</b>	390	20%	1V / 1K	1,30	0,75	0,96
<b>MSB1108 - 471</b>	470	20%	1V / 1K	1,48	0,65	0,87
<b>MSB1108 - 561</b>	560	20%	1V / 1K	1,90	0,60	0,80
<b>MSB1108 - 681</b>	680	20%	1V / 1K	2,45	0,50	0,73
<b>MSB1108 - 821</b>	820	20%	1V / 1K	2,55	0,48	0,66
<b>MSB1108 - 102</b>	1000	20%	1V / 1K	3,00	0,46	0,60
<b>MSB1003 - 122</b>	1200	20%	1V / 1K	3,50	0,35	0,54

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