

## LOW cost power inductor

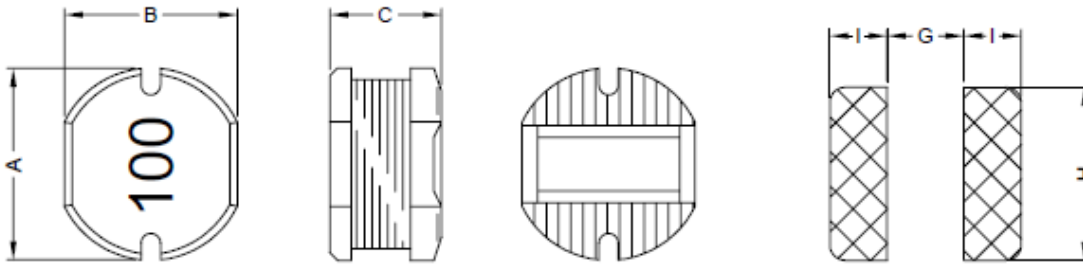
**SERIE:** NLC0302 3,5 x 3,0 x 2,2 mm

### DIMENSIONS:

VPE: 3000pcs.



RoHS Compliant



PCB Pattern

Unit: mm

A	B	C	G	H	I
3.5±0.3	3.0±0.3	2.2±0.3	0.80 Ref.	3.50 Ref.	1.60 Ref.

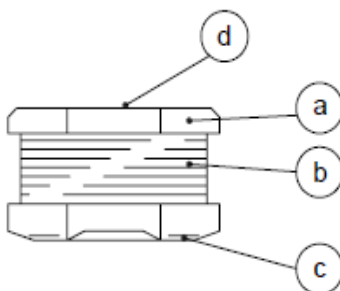
### SCHEMATIC:



### GENERAL SPECIFICATION :

- 1- Temp. Rise : 40°C Max
- 2- Rated current: Base on temp. rise &  $\Delta L/\Delta I_{0A} = 10\%$  Max
- 3- Storage temp.: -40 to + 125°C
- 4- Operating temp.: -40° to + 85°^C
- 5- Resistance to solder heat: 260°C 10sec.

### Materials :



- (a) Core : DRT Ferrite Core
- (b) Wire : Enamelled Copper Wire
- (c) Terminal : Ag+Cu+Ni+Sn
- (d) Ink : Bon Margue

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

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**SERIE:** NLC0302 3,5 x 3,0 x 2,2 mm



COILS ■ ELEKTRONIK ■ TRANSFORMERS

### **ELECTRICAL CHARACTERISTICS:**

Part No.	Inductance ( $\mu$ H) $\pm 20\%$	Test Frequency ( Hz. )	Rdc ( $\Omega$ ) Max.	IDC ( A ) Max.
NLC0302 - 1R0SWE	1,0	1V / 7,96M	0,055	2,50
NLC0302 - 1R4SWE	1,4	1V / 7,96M	0,060	2,00
NLC0302 - 1R8SWE	1,8	1V / 7,96M	0,070	1,90
NLC0302 - 2R2SWE	2,2	1V / 7,96M	0,090	1,70
NLC0302 - 2R7SWE	2,7	1V / 7,96M	0,100	1,60
NLC0302 - 3R3SWE	3,3	1V / 7,96M	0,130	1,30
NLC0302 - 3R9SWE	3,9	1V / 7,96M	0,150	1,20
NLC0302 - 4R7SWE	4,7	1V / 7,96M	0,180	1,10
NLC0302 - 5R6SWE	5,6	1V / 7,96M	0,210	1,00
NLC0302 - 6R8SWE	6,8	1V / 7,96M	0,230	0,95
NLC0302 - 8R2SWE	8,2	1V / 7,96M	0,310	0,90
NLC0302 - 100SWE	10	1V / 2,52M	0,350	0,80
NLC0302 - 120SWE	12	1V / 2,52M	0,390	0,70
NLC0302 - 150SWE	15	1V / 2,52M	0,540	0,65
NLC0302 - 180SWE	18	1V / 2,52M	0,620	0,60
NLC0302 - 220SWE	22	1V / 2,52M	0,720	0,55
NLC0302 - 270SWE	27	1V / 2,52M	0,820	0,50
NLC0302 - 330SWE	33	1V / 2,52M	1,100	0,45
NLC0302 - 390SWE	39	1V / 2,52M	1,200	0,40
NLC0302 - 470SWE	47	1V / 2,52M	1,600	0,38

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