

## LOW cost power inductor

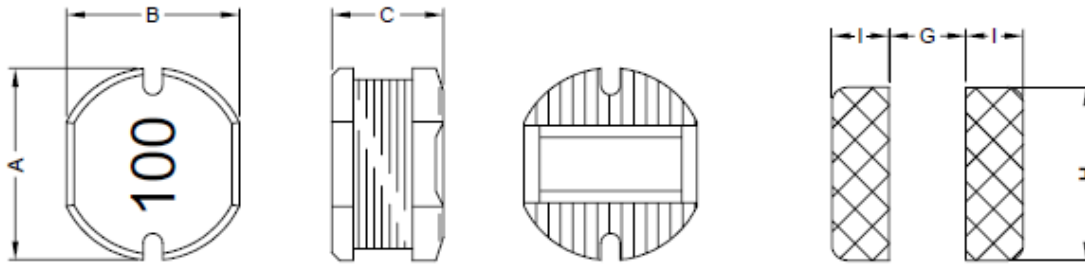
**SERIE:** NLC0502 5,8 x 5,2 x 2,5 mm

### DIMENSIONS:

VPE: 2000pcs.



RoHS Compliant



PCB Pattern

Unit: mm

A	B	C	G	H	I
5.8±0.3	5.2±0.3	2.50±0.35	1.70 Ref.	5.50 Ref.	2.15 Ref.

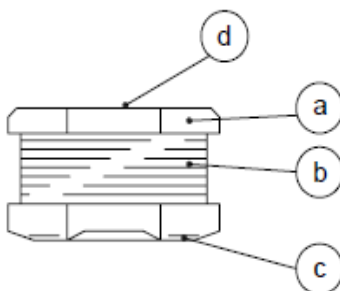
### SCHEMATIC:



### GENERAL SPECIFICATION :

- 1- Temp. Rise : 40°C Max
- 2- Rated current: Base on temp. rise &  $\Delta L/\Delta I_0 A = 10\%$  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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### **ELECTRICAL CHARACTERISTICS:**

Part No.	Inductance ( $\mu$ H) $\pm 20\%$	Test Frequency ( Hz. )	Rdc ( $\Omega$ ) Max.	IDC ( A ) Max.
NLC0502 - 1R0SWE	1,0	7,96M	0,030	4,80
NLC0502 - 1R4SWE	1,4	7,96M	0,035	4,20
NLC0502 - 1R8SWE	1,8	7,96M	0,040	3,80
NLC0502 - 2R2SWE	2,2	7,96M	0,050	3,50
NLC0502 - 2R7SWE	2,7	7,96M	0,055	3,10
NLC0502 - 3R3SWE	3,3	7,96M	0,070	3,00
NLC0502 - 3R9SWE	3,9	7,96M	0,070	2,80
NLC0502 - 4R7SWE	4,7	7,96M	0,080	2,70
NLC0502 - 5R6SWE	5,6	7,96M	0,090	2,20
NLC0502 - 6R8SWE	6,8	7,96M	0,110	1,90
NLC0502 - 8R2SWE	8,2	7,96M	0,140	1,80
NLC0502 - 100SWE	10	2,52M	0,150	1,50
NLC0502 - 120SWE	12	2,52M	0,165	1,40
NLC0502 - 150SWE	15	2,52M	0,250	1,20
NLC0502 - 180SWE	18	2,52M	0,280	1,10
NLC0502 - 220SWE	22	2,52M	0,320	1,00
NLC0502 - 270SWE	27	2,52M	0,420	0,90
NLC0502 - 330SWE	33	2,52M	0,450	0,80
NLC0502 - 390SWE	39	2,52M	0,550	0,75
NLC0502 - 470SWE	47	2,52M	0,580	0,70
NLC0502 - 560SWE	56	2,52M	0,830	0,65
NLC0502 - 680SWE	68	2,52M	0,970	0,60
NLC0502 - 820SWE	82	2,52M	1,200	0,55
NLC0502 - 101SWE	100	1V /1K	1,500	0,50
NLC0502 - 121SWE	120	1V /1K	1,700	0,47

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COILS ■ ELEKTRONIK ■ TRANSFORMERS

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Part No.	Inductance ( $\mu\text{H}$ ) $\pm 20\%$	Test Frequency ( Hz. )	Rdc ( $\Omega$ ) Max.	IDC ( A ) Max.
NLC0502 - 151SWE	150	1V /1K	1,950	0,45
NLC0502 - 181SWE	180	1V /1K	2,600	0,40
NLC0502 - 221SWE	220	1V /1K	3,400	0,35
NLC0502 - 271SWE	270	1V /1K	4,000	0,30
NLC0502 - 331SWE	330	1V /1K	4,500	0,27
NLC0502 - 391SWE	390	1V /1K	5,000	0,25
NLC0502 - 471SWE	470	1V /1K	7,000	0,23
NLC0502 - 561SWE	560	1V /1K	8,000	0,21

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