

LOW cost power inductor

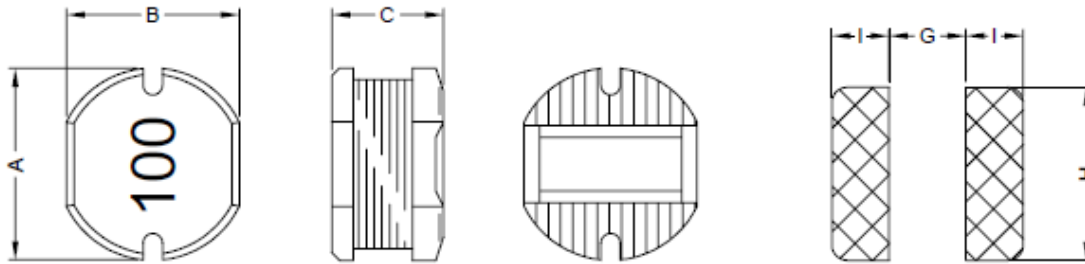
SERIE: NLC0403 4,5 x 4,0 x 3,2 mm

DIMENSIONS:

VPE: 3000pcs.



RoHS Compliant



PCB Pattern

Unit: mm

A	B	C	G	H	I
4.5±0.3	4.0±0.3	3.2±0.3	1.50 Ref.	4.50 Ref.	1.75 Ref.

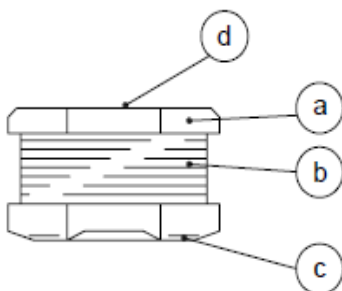
SCHEMATIC:



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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ELECTRICAL CHARACTERISTICS:

Part No.	Inductance (μH) $\pm 20\%$	Test Frequency (Hz.)	Rdc (Ω) Max.	IDC (A) Max.
NLC0403 - 1R0SWE	1,0	7,96M	0,033	3,80
NLC0403 - 1R4SWE	1,4	7,96M	0,038	3,30
NLC0403 - 1R8SWE	1,8	7,96M	0,042	2,91
NLC0403 - 2R2SWE	2,2	7,96M	0,047	2,60
NLC0403 - 2R7SWE	2,7	7,96M	0,052	2,43
NLC0403 - 3R3SWE	3,3	7,96M	0,058	2,15
NLC0403 - 3R9SWE	3,9	7,96M	0,076	1,98
NLC0403 - 4R7SWE	4,7	7,96M	0,094	1,70
NLC0403 - 5R6SWE	5,6	7,96M	0,101	1,60
NLC0403 - 6R8SWE	6,8	7,96M	0,117	1,41
NLC0403 - 8R2SWE	8,2	7,96M	0,132	1,26
NLC0403 - 100SWE	10,0	2,52M	0,182	1,15
NLC0403 - 120SWE	12,0	2,52M	0,210	1,05
NLC0403 - 150SWE	15,0	2,52M	0,235	0,92
NLC0403 - 180SWE	18,0	2,52M	0,338	0,84
NLC0403 - 220SWE	22,0	2,52M	0,378	0,76
NLC0403 - 270SWE	27,0	2,52M	0,522	0,71
NLC0403 - 330SWE	33,0	2,52M	0,540	0,64
NLC0403 - 390SWE	39,0	2,52M	0,587	0,59
NLC0403 - 470SWE	47,0	2,52M	0,844	0,54
NLC0403 - 560SWE	56,0	2,52M	0,933	0,50
NLC0403 - 680SWE	68,0	2,52M	1,117	0,46

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