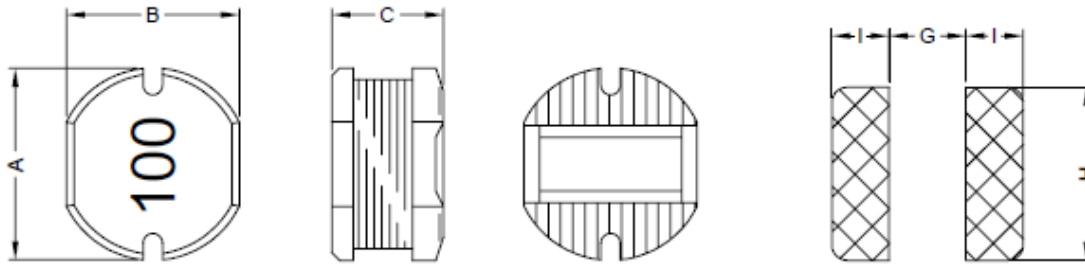


LOW cost power inductor

SERIE: NLC0504 5,8 x 5,2 x 4,5 mm

DIMENSIONS:

VPE: 2000pcs.

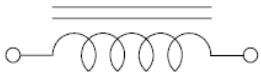


PCB Pattern

Unit : mm

A	B	C	G	H	I
5.8±0.3	5.2±0.3	4.50±0.35	1.70 Ref.	5.50 Ref.	2.15 Ref.

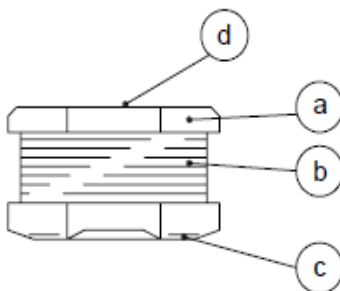
SCHEMATIC:



GENERAL SPECIFICATION :

- 1- Temp. Rise : 40°C Max
- 2- Rated current: Base on temp. rise & $\Delta L/\Delta I_{0A} = 10\%$ 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.

LOW cost power inductor

SERIE: NLC0504 5,8 x 5,2 x 4,5 mm



ELECTRICAL CHARACTERISTICS:

Part No.	Inductance (μH)	Test Frequency (Hz.)	Rdc (Ω) Max.	IDC (A) Max.
NLC0504 - 1R0SWE	1,0 $\pm 20\%$	7,96M	0,015	5,90
NLC0504 - 1R2SWE	1,2 $\pm 20\%$	7,96M	0,020	5,20
NLC0504 - 1R5SWE	1,5 $\pm 20\%$	7,96M	0,025	4,70
NLC0504 - 1R8SWE	1,8 $\pm 20\%$	7,96M	0,030	4,00
NLC0504 - 2R2SWE	2,2 $\pm 20\%$	7,96M	0,035	3,80
NLC0504 - 2R7SWE	2,7 $\pm 20\%$	7,96M	0,040	3,40
NLC0504 - 3R3SWE	3,3 $\pm 20\%$	7,96M	0,045	3,30
NLC0504 - 3R9SWE	3,9 $\pm 20\%$	7,96M	0,050	2,90
NLC0504 - 4R7SWE	4,7 $\pm 20\%$	7,96M	0,060	2,80
NLC0504 - 5R6SWE	5,6 $\pm 20\%$	7,96M	0,070	2,40
NLC0504 - 6R8SWE	6,8 $\pm 20\%$	7,96M	0,080	2,10
NLC0504 - 8R2SWE	8,2 $\pm 20\%$	7,96M	0,090	2,00
NLC0504 - 100SWE	10 $\pm 20\%$	2,52M	0,100	1,44
NLC0504 - 120SWE	12 $\pm 20\%$	2,52M	0,120	1,40
NLC0504 - 150SWE	15 $\pm 20\%$	2,52M	0,140	1,30
NLC0504 - 180SWE	18 $\pm 20\%$	2,52M	0,150	1,23
NLC0504 - 220SWE	22 $\pm 20\%$	2,52M	0,180	1,11
NLC0504 - 270SWE	27 $\pm 10\%$	2,52M	0,200	0,97
NLC0504 - 330SWE	33 $\pm 10\%$	2,52M	0,230	0,88
NLC0504 - 390SWE	39 $\pm 10\%$	2,52M	0,320	0,80
NLC0504 - 470SWE	47 $\pm 10\%$	2,52M	0,370	0,72
NLC0504 - 560SWE	56 $\pm 10\%$	2,52M	0,420	0,68
NLC0504 - 680SWE	68 $\pm 10\%$	2,52M	0,460	0,61
NLC0504 - 820SWE	82 $\pm 10\%$	2,52M	0,600	0,58
NLC0504 - 101SWE	100 $\pm 10\%$	1V /1K	0,700	0,52

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LOW cost power inductor

SERIE: NLC0504 5,8 x 5,2 x 4,5 mm



ELECTRICAL CHARACTERISTICS:

Part No.	Inductance (μH) $\pm 20\%$	Test Frequency (Hz.)	Rdc (Ω) Max.	IDC (A) Max.
NLC0504 - 121SWE	120 $\pm 10\%$	1V /1K	0,930	0,48
NLC0504 - 151SWE	150 $\pm 10\%$	1V /1K	1,100	0,40
NLC0504 - 181SWE	180 $\pm 10\%$	1V /1K	1,380	0,38
NLC0504 - 221SWE	220 $\pm 10\%$	1V /1K	1,570	0,35

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