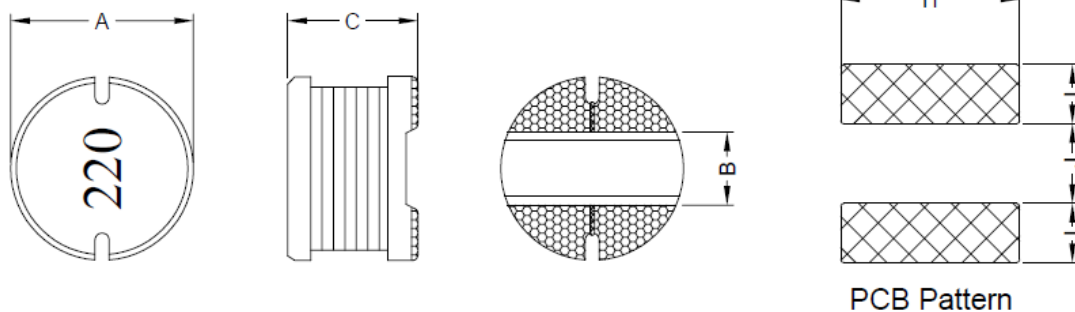


## LOW cost power inductor

**SERIE:** NLC1307 13,0 x 7,0 mm

### DIMENSIONS:

VPE: 400pcs.



Unit : mm

A	B	C	H	I	J
13.0±0.5	4.5 Ref.	7.0±0.3	14.0 Ref.	4.75 Ref.	4.5 Ref.

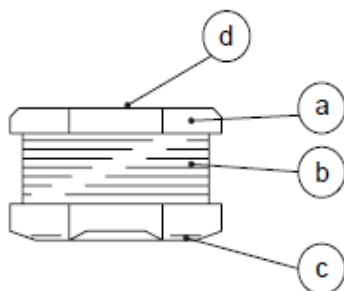
### SCHEMATIC:



### GENERAL SPECIFICATION :

- 1- Ambient temp. : 20°C
- 2- Operating temp. : -20°C to 80°C
- 3- Heat Rated Current (Irms) : Will cause the coil temp. rise approximately  $\Delta T=40^{\circ}\text{C}$ .
- 4- Saturation Current (Isat) : Will cause L to drop approximately 10%.

### 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:** NLC1307 13,0 x 7,0 mm



### ELECTRICAL CHARACTERISTICS:

Part No.	Inductance ( $\mu$ H )	Test Frequency ( Hz. )	Rdc ( m $\Omega$ ) Max.	Irms ( A ) Max.	IDC ( A ) Max.
NLC1307 – 1R5SWE	1,5 $\pm$ 20%	0,1V / 100K	5,0	9,50	22,0
NLC1307 – 2R2SWE	2,2 $\pm$ 20%	0,1V / 100K	6,0	9,00	20,0
NLC1307 – 2R7SWE	2,7 $\pm$ 20%	0,1V / 100K	8,0	8,20	18,0
NLC1307 – 3R3SWE	3,3 $\pm$ 20%	0,1V / 100K	8,7	7,50	17,0
NLC1307 – 4R7SWE	4,7 $\pm$ 20%	0,1V / 100K	11	7,00	15,0
NLC1307 – 5R6SWE	5,6 $\pm$ 20%	0,1V / 100K	15	6,50	13,0
NLC1307 – 6R8SWE	6,8 $\pm$ 20%	0,1V / 100K	17	6,00	11,5
NLC1307 – 8R2SWE	8,2 $\pm$ 20%	0,1V / 100K	19	5,80	10,8
NLC1307 - 100SWE	10 $\pm$ 20%	0,1V / 100K	23	5,60	10,2
NLC1307 - 120SWE	12 $\pm$ 20%	0,1V / 100K	30	4,80	9,00
NLC1307 - 150SWE	15 $\pm$ 20%	0,1V / 100K	34	4,50	8,00
NLC1307 - 180SWE	18 $\pm$ 20%	0,1V / 100K	40	4,20	7,50
NLC1307 - 220SWE	22 $\pm$ 20%	0,1V / 100K	47	3,60	7,00
NLC1307 - 270SWE	27 $\pm$ 20%	0,1V / 100K	60	3,30	6,00
NLC1307 - 330SWE	33 $\pm$ 10%	0,1V / 100K	70	3,10	5,50
NLC1307 - 390SWE	39 $\pm$ 10%	0,1V / 100K	75	2,90	5,10
NLC1307 - 470SWE	47 $\pm$ 10%	0,1V / 100K	82	2,70	4,70
NLC1307 - 560SWE	56 $\pm$ 10%	0,1V / 100K	112	2,50	4,30
NLC1307 - 680SWE	68 $\pm$ 10%	0,1V / 100K	120	2,30	4,00
NLC1307 - 820SWE	82 $\pm$ 10%	0,1V / 100K	140	2,10	3,70
NLC1307 - 101SWE	100 $\pm$ 10%	0,1V / 100K	180	1,90	3,20
NLC1307 - 121SWE	120 $\pm$ 10%	0,1V / 100K	230	1,80	3,00
NLC1307 - 151SWE	150 $\pm$ 10%	0,1V / 100K	260	1,60	2,70
NLC1307 - 181SWE	180 $\pm$ 10%	0,1V / 100K	350	1,50	2,40

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

## **LOW cost power inductor**

**SERIE:** NLC1307 13,0 x 7,0 mm



COILS ■ ELEKTRONIK ■ TRANSFORMERS

### **ELECTRICAL CHARACTERISTICS:**

<b>Part No.</b>	<b>Inductance (<math>\mu</math>H )</b>	<b>Test Frequency ( Hz. )</b>	<b>Rdc ( m<math>\Omega</math> ) Max.</b>	<b>Irms ( A ) Max.</b>	<b>IDC ( A ) Max.</b>
NLC1307 – 221SWE	220 $\pm$ 10%	0,1V / 100K	380	1,30	2,20
NLC1307 - 271SWE	270 $\pm$ 10%	0,1V / 100K	480	1,20	1,90
NLC1307 - 331SWE	330 $\pm$ 10%	0,1V / 100K	520	1,10	1,70
NLC1307 - 391SWE	390 $\pm$ 10%	0,1V / 100K	650	1,00	1,60
NLC1307 - 471SWE	470 $\pm$ 10%	0,1V / 100K	800	090	1,50
NLC1307 - 561SWE	560 $\pm$ 10%	0,1V / 100K	1100	0,85	1,30
NLC1307 - 681SWE	680 $\pm$ 10%	0,1V / 100K	1150	0,80	1,20
NLC1307 - 822SWE	820 $\pm$ 10%	0,1V / 100K	1600	0,75	1,10
NLC1307 - 102SWE	1000 $\pm$ 10%	0,1V / 100K	1700	0,65	1,00

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