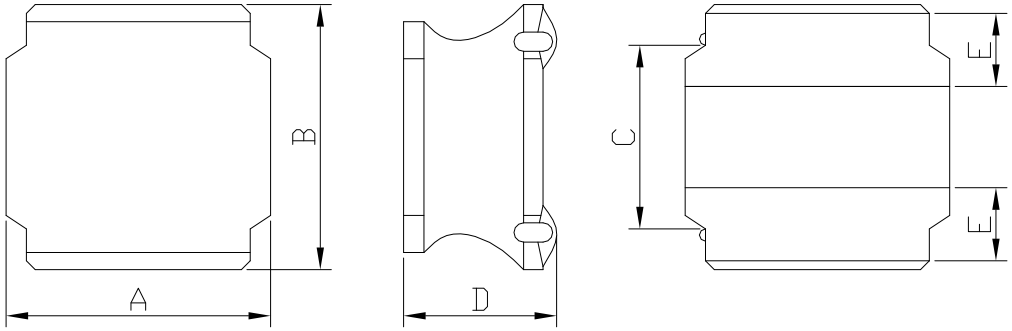
PART NUMBER SYSTEM

CPCNR 60245 – 101M

- 101M — Inductance
- 60245 — Dimensions
- CPCNR — Type

DIMENSIONS

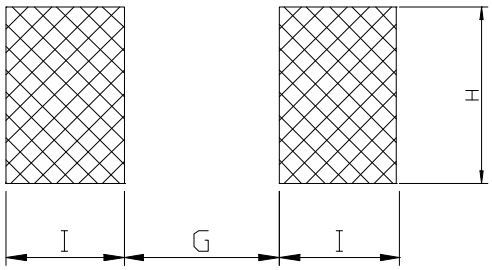
UNIT：mm



A=6.2 Max. B=6.2 Max. C=4.0 Ref. D=4.5 Max. E=1.35±0.2

RECOMMENDED PATTERNS

UNIT：mm



G= 3.10 H= 5.70 I = 1.60

FEATURES

* Low profile and small inductors (6.2mm Max. square and 4.5mm Max. height)
* Magnetically shielded construction and high current
* Ideal for DC-DC converter choke coil for portable equipments (DVDs , DSC , Cellular , PDAs)
* RoHS compliant option with lead free

SERIES LIST

(AEC-Q200)

No.	PART NUMBER	INDUCTANCE (μH)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Isat (A) (Max.)	Irms (mA) (Max.)
1	CPCNR6045-1R0N-LF	1.0±30%	10.0	13.0	10.0	6.50
2	CPCNR6045-1R3N-LF	1.3±30%	11.0	14.3	8.60	6.00
3	CPCNR6045-1R8N-LF	1.8±30%	12.0	15.6	7.20	5.30
4	CPCNR6045-2R3M-LF	2.3±30%	13.0	16.9	6.40	5.00
5	CPCNR6045-3R0M-LF	3.0±30%	17.0	22.1	5.80	4.80
6	CPCNR6045-3R3M-LF	3.3±30%	17.0	22.1	5.10	4.50
7	CPCNR6045-4R5M-LF	4.5±20%	23.0	29.9	4.80	3.80
8	CPCNR6045-4R7M-LF	4.7±20%	23.0	29.9	4.70	3.70
9	CPCNR6045-6R3M-LF	6.3±20%	26.0	33.8	3.90	3.60
10	CPCNR6045-6R8M-LF	6.8±20%	34.0	44.2	3.80	3.50
11	CPCNR6045-8R2M-LF	8.2±20%	41.0	53.3	3.20	3.10
12	CPCNR6045-100M-LF	10±20%	45.0	58.5	3.10	3.00
13	CPCNR6045-150M-LF	15±20%	80.0	104.0	2.50	2.50
14	CPCNR6045-220M-LF	22±20%	112	145.6	2.10	2.10
15	CPCNR6045-330M-LF	33±20%	170	221.0	1.70	1.70
16	CPCNR6045-470M-LF	47±20%	210	273.0	1.40	1.40
17	CPCNR6045-560M-LF	56±20%	270	351.0	1.20	1.20
18	CPCNR6045-680M-LF	68±20%	325	422.5	1.10	1.10
19	CPCNR6045-101M-LF	100±20%	460	598.0	0.90	0.90
20	CPCNR6045-221M-LF	220±20%	920	1100	0.85	0.59
21	CPCNR6045-331M-LF	330±20%	1540	2000	0.57	0.51
22	CPCNR6045-102M-LF	1000±20%	4450	5850	0.30	0.30

- Test frequency at 100KHz 1V .
- Isat : DC current at which the inductance drops 30%(typ) from its value without current.
- Irms : The temperature rise current value is the DC current value having temperature increase up 40°C temperature rise from 25°C ambient.
- Operating temperature range -40℃ to +125℃ , Electrical specifications at 25℃ .

SPECIFICATION TABLE

(AEC-Q200)

