



**THE DATASHEET OF  
CDR105BNP-820LC**

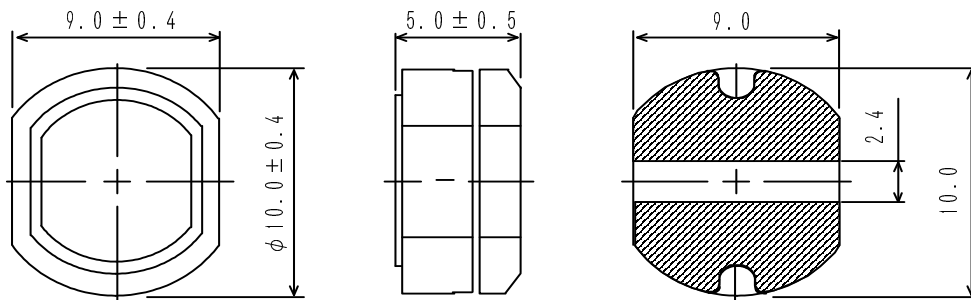
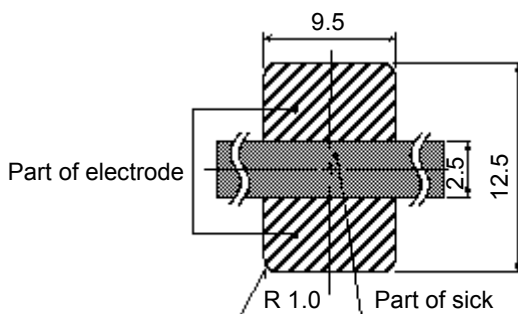


**Type: CDR105B**
**◆ Product Description**

- 10.4×9.4mm Max.(L×W), 5.5mm Max. Height
- Inductance range: 10~470  $\mu$  H.
- Rated current range: 0.33~2.06A.
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.


**◆ Feature**

- Magnetically shielded construction.
- Storage temperature range: -40°C ~ +100°C.
- Operating temperature range: -40°C ~ +100°C (Including coil's self temperature rise).
- Ideally used in Notebook PC ,LCD TV ,Game machine ,HDD,DSC/DVC, etc as DC-DC converter inductors.
- RoHS compliance.

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**


**Type: CDR105B**
**◆ Specification**

Part name ※	Stamp	Inductance ( $\mu$ H) ※ 1	D.C.R. ( $\Omega$ ) [MAX.] (at 20°C)	Rated Current (A) ※2	S.R.F.(MHz) [Ref.]
CDR105BNP-100M□	100	10±20%	0.06	2.06	29.1
CDR105BNP-120M□	120	12±20%	0.07	1.94	26.5
CDR105BNP-150M□	150	15±20%	0.07	1.72	24.2
CDR105BNP-180M□	180	18±20%	0.08	1.58	21.8
CDR105BNP-220M□	220	22±20%	0.08	1.42	18.8
CDR105BNP-270M□	270	27±20%	0.10	1.32	17.1
CDR105BNP-330L□	330	33±15%	0.11	1.16	14.2
CDR105BNP-390L□	390	39±15%	0.12	1.10	14.1
CDR105BNP-470L□	470	47±15%	0.14	1.00	11.5
CDR105BNP-560L□	560	56±15%	0.19	0.93	11.1
CDR105BNP-680L□	680	68±15%	0.21	0.85	10.2
CDR105BNP-820L□	820	82±15%	0.28	0.79	9.2
CDR105BNP-101K□	101	100±10%	0.34	0.72	8.1
CDR105BNP-121K□	121	120±10%	0.37	0.63	7.3
CDR105BNP-151K□	151	150±10%	0.51	0.55	6.2
CDR105BNP-181K□	181	180±10%	0.57	0.50	5.6
CDR105BNP-221K□	221	220±10%	0.78	0.47	5.4
CDR105BNP-271K□	271	270±10%	0.87	0.41	5.0
CDR105BNP-331K□	331	330±10%	1.20	0.37	4.2
CDR105BNP-391K□	391	390±10%	1.34	0.35	3.8
CDR105BNP-471K□	471	470±10%	1.50	0.33	3.5

**※ Description of part name**

CDR105BNP-100M□

└──	B	Box
└──	C	Carrier Tape

 ※1: Measuring frequency: 10  $\mu$  H ~ 82  $\mu$  H at 2.52 MHz;

 100  $\mu$  H ~ 470  $\mu$  H at 1 kHz.

 ※2: Rated current: The D.C. current at which the inductance decreases to 90% of it's initial value or when  $\Delta t=40^{\circ}\text{C}$ , whichever is lower ( $T_a=20^{\circ}\text{C}$ ).

## Looking for pricing, stock, or lifecycle information?

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