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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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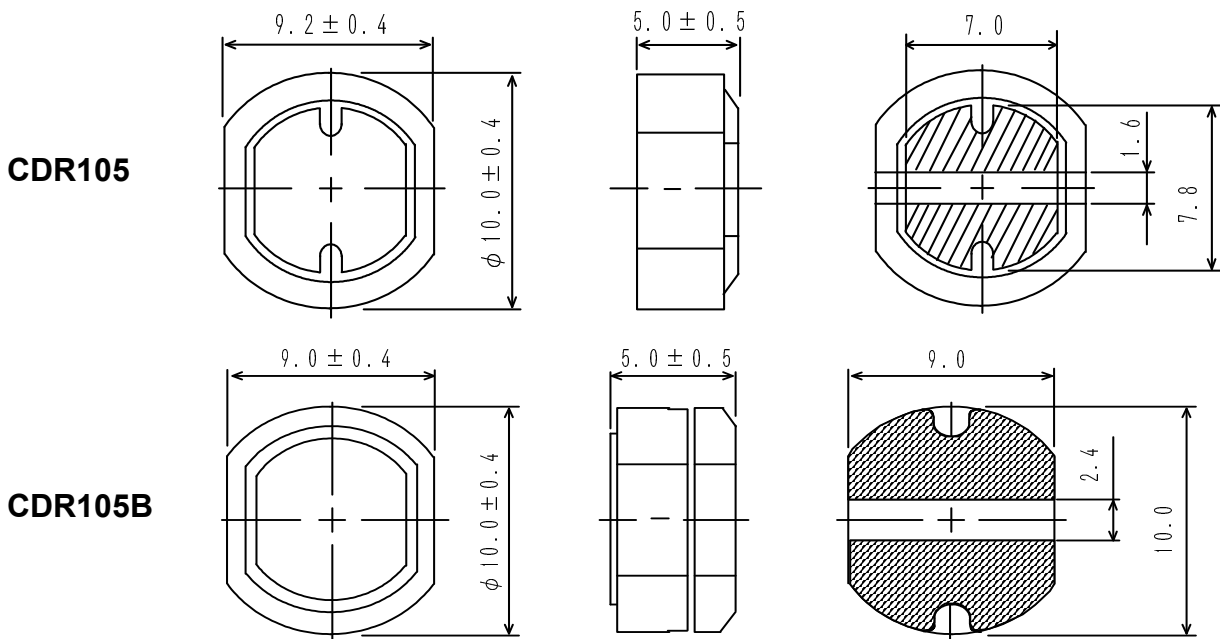
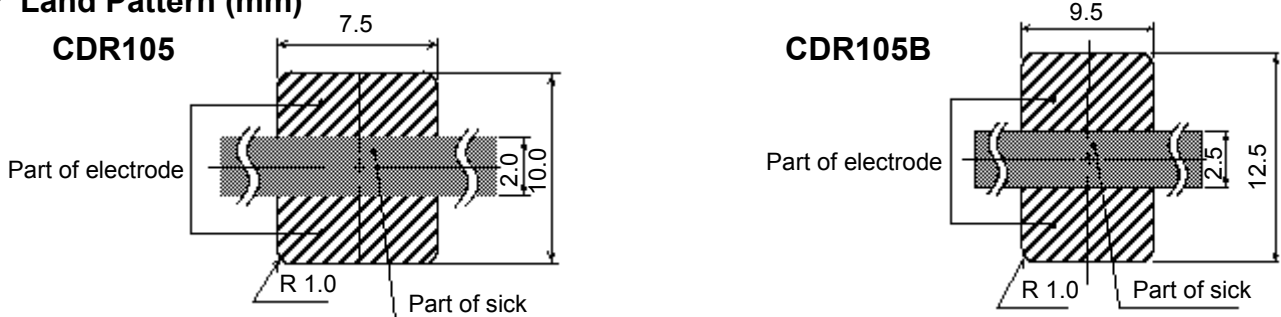


Type: CDR105, CDR105B
◆ Product Description

- 10.4 × 9.6mm Max.(L×W), 5.5mm Max. Height (CDR105)
- 10.4 × 9.4mm Max.(L×W), 5.5mm Max. Height (CDR105B)
- Inductance range: 10~470 μ H.
- Rated current range: 0.37~2.53A(CDR105) ; 0.33~2.06A(CDR105B)
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.


◆ Feature

- Magnetically shielded construction.
- Ideally used in Notebook PC ,LCD TV ,Game machine ,HDD,DSC/DVC, etc as DC-DC Converter inductors.
- RoHS Compliance.

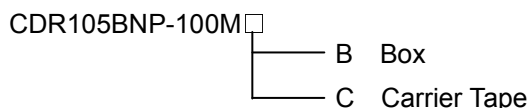
◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CDR105,CDR105B
◆ Specification(CDR105)

Part name ※	Stamp	Inductance (μ H) ※ 1	D.C.R.(Ω) Max (at 20°C)	Rated Current (A) ※2-1	S.R.F (MHZ) [typ.]
CDR105NP-100M□	100M	+20% 10-15%	0.06	2.53	31
CDR105NP-120M□	120M	+20% 12-15%	0.06	2.31	27
CDR105NP-150M□	150M	+20% 15-15%	0.07	2.06	27
CDR105NP-180M□	180M	+20% 18-15%	0.08	1.89	26
CDR105NP-220M□	220M	+20% 22-15%	0.09	1.71	21
CDR105NP-270M□	270M	+20% 27-15%	0.11	1.54	18
CDR105NP-330M□	330M	+20% 33-15%	0.12	1.39	16
CDR105NP-390M□	390M	+20% 39-15%	0.16	1.28	15
CDR105NP-470M□	470M	+20% 47-15%	0.18	1.17	14
CDR105NP-560M□	560M	+20% 56-15%	0.19	1.07	12
CDR105NP-680M□	680M	+20% 68-15%	0.22	0.97	11
CDR105NP-820M□	820M	+20% 82-15%	0.28	0.88	10
CDR105NP-101M□	101M	+20% 100-15%	0.35	0.80	7.0
CDR105NP-121M□	121M	+20% 120-15%	0.38	0.73	6.5
CDR105NP-151M□	151M	+20% 150-15%	0.45	0.65	5.8
CDR105NP-181M□	181M	+20% 180-15%	0.62	0.60	5.3
CDR105NP-221M□	221M	+20% 220-15%	0.69	0.54	5.2
CDR105NP-271M□	271M	+20% 270-15%	0.78	0.49	4.6
CDR105NP-331M□	331M	+20% 330-15%	1.03	0.44	4.2
CDR105NP-391M□	391M	+20% 390-15%	1.18	0.41	3.6
CDR105NP-471M□	471M	+20% 470-15%	1.60	0.37	3.6

Type: CDR105,CDR105B
◆ Specification (CDR105B)

Part name ※	Stamp	Inductance (μ H) ※ 1	D.C.R. (Ω) [MAX.] (at 20°C)	Rated Current (A) ※2-2	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


※1: Measuring frequency: 10 μ H ~ 82 μ H at 2.52 MHz;
100 μ H ~ 470 μ H at 1 kHz.

※2-1: Rated current: The D.C. current at which the inductance decreases to 80% of its nominal value or when $\Delta t=40^\circ\text{C}$, whichever is lower ($T_a=20^\circ\text{C}$).

※2-2: Rated current: The D.C. current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^\circ\text{C}$, whichever is lower ($T_a=20^\circ\text{C}$).