Type: CDR105

◆ Product Description

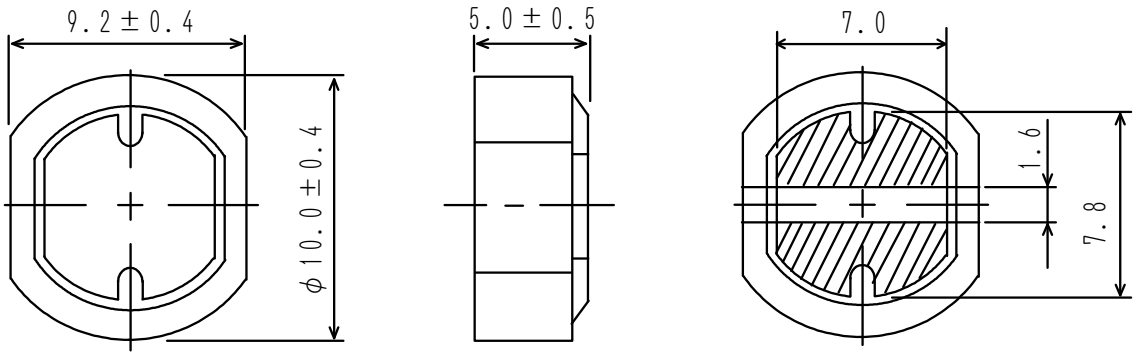


- 10.4×9.6mm Max.(L×W), 5.5mm Max. Height
- Inductance range: 10～470 μH.
- Rated current range: 0.37～2.53A.
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.

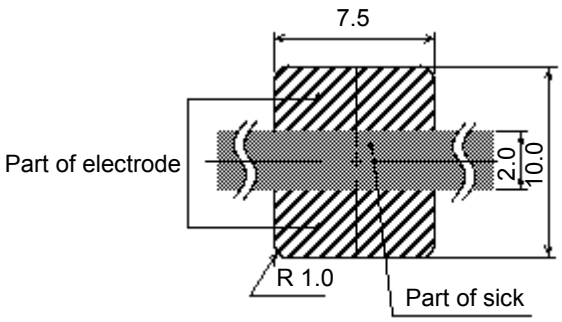
◆ Feature

- Magnetically shielded construction.
- Storage temperature range: -40℃～+100℃.
- Operating temperature range: -40℃～+100℃ (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 and Halogen free.

◆ Dimensions (mm)



◆ Land Pattern (mm)



Type: CDR105

◆ Specification

Part name ※	Stamp	Inductance (μH) ※1	D.C.R.(Ω) Max (at 20℃)	Rated Current (A) ※2	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

※ Description of part name

CDR105NP-100M□

- B Box
- C Carrier Tape

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

※2: Rated current: The D.C. current at which the inductance decreases to 80% of it's nominal value or when △t=40℃, whichever is lower(Ta=20℃).