



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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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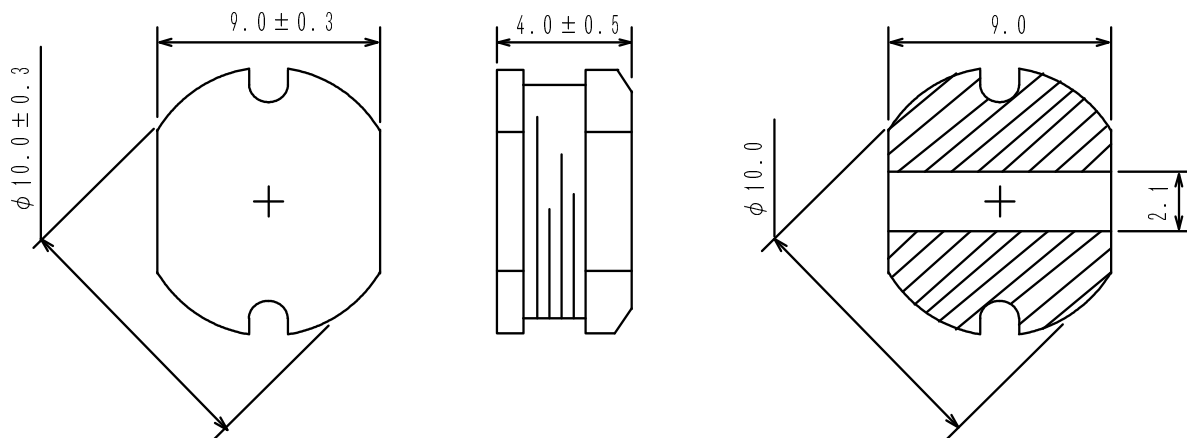
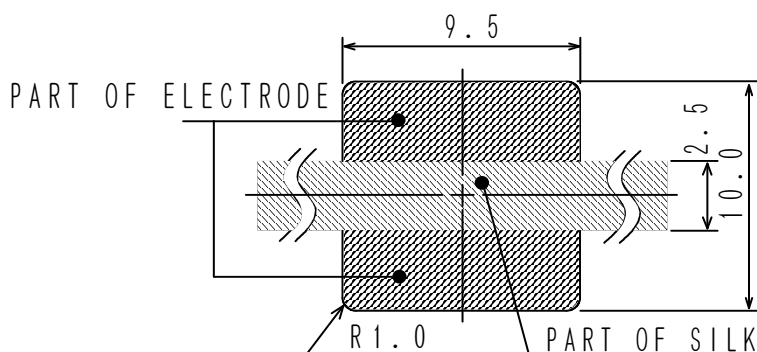


Type: CD104
◆ Product Description

- 10.3×9.3mm Max.(L×W),4.5mm Max. Height.
- Inductance range: 10~560 μ H.
- Rated current range: 0.32~2.38A.
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.


◆ Feature

- Magnetically unshielded construction.
- Storage temperature range: -40°C~+100°C.
- Operating temperature range: -40°C~+100°C (Including coil's self temperature rise).
- Ideally used in PDA,MP3,DSC/DVC,HDD,Portable DVD,etc as DC-DC converter inductors.
- RoHS Compliance and Halogen Free.

◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CD104
◆ Specification

Part Name ※	Stamp	Inductance (μ H) ※1	D.C.R (m Ω) [Max.] (TYP.) (at 20°C)	Rated Current (A) ※2	S.R.F. (MHz) (TYP.)
CD104NP-100M□	100M	10 \pm 20%	53(40.8)	2.38	29.9
CD104NP-120M□	120M	12 \pm 20%	61(46.4)	2.13	29.7
CD104NP-150M□	150M	15 \pm 20%	70(53.9)	1.87	25.1
CD104NP-180M□	180M	18 \pm 20%	81(62.2)	1.73	23.0
CD104NP-220M□	220M	22 \pm 20%	88(67.4)	1.60	20.0
CD104NP-270M□	270M	27 \pm 20%	100(77.2)	1.44	18.5
CD104NP-330M□	330M	33 \pm 20%	120(92.0)	1.26	16.9
CD104NP-390M□	390M	39 \pm 20%	151(116.1)	1.20	14.9
CD104NP-470M□	470M	47 \pm 20%	170(130.6)	1.10	13.8
CD104NP-560K□	560K	56 \pm 10%	199(152.7)	1.01	12.6
CD104NP-680K□	680K	68 \pm 10%	223(171.6)	0.91	10.4
CD104NP-820K□	820K	82 \pm 10%	252(194.1)	0.85	10.0
CD104NP-101K□	101K	100 \pm 10%	344(264.9)	0.74	9.42
CD104NP-121K□	121K	120 \pm 10%	396(304.7)	0.69	8.74
CD104NP-151K□	151K	150 \pm 10%	544(418.1)	0.61	7.29
CD104NP-181K□	181K	180 \pm 10%	621(477.7)	0.56	6.53
CD104NP-221K□	221K	220 \pm 10%	721(554.5)	0.53	5.85
CD104NP-271K□	271K	270 \pm 10%	949(730.3)	0.45	5.51
CD104NP-331K□	331K	330 \pm 10%	1100(845.8)	0.42	4.91
CD104NP-391K□	391K	390 \pm 10%	1245(957.5)	0.38	4.32
CD104NP-471K□	471K	470 \pm 10%	1526(1220.6)	0.35	4.06
CD104NP-561K□	561K	560 \pm 10%	1904(1522.9)	0.32	3.55

※ Description of part name

CD104NP-100M□
 └─ B: Box
 └─ C: Carrier Tape

※1: Measuring frequency: 10 μ H \sim 82 μ H ; at 2.52 MHz
 100 μ H \sim 560 μ H ; at 1 kHz

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