Type: CDH38D12/S
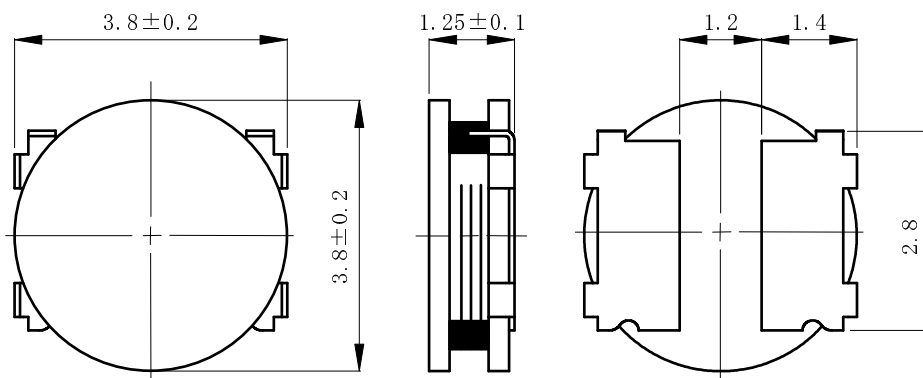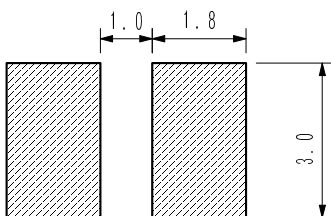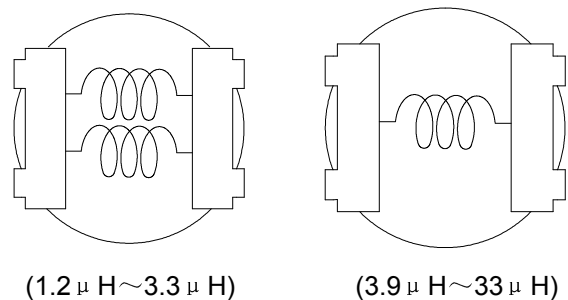
◆ **Product Description**

・4.0×4.0mm Max.(L×W), 1.35mm Max. Height.

・Inductance range: 1.2～33μH.

・Rated current range: 0.43～3.15A.

・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℃～+105℃.

・Operating temperature range: -40℃～+105℃ (Including coil's self temperature rise).

・Ideally used PDA,MP3,DSC/DVC etc as DC-DC converter inductors.

・Dropping impact reinforced types.

・Product weight: 0.064g (Ref.).

・RoHS compliance and Halogen free.

◆ **Dimensions (mm)**

◆ **Land Pattern (mm)**

◆ **Schematics (Bottom)**

(1.2μH～3.3μH)   (3.9μH～33μH)

Type: CDH38D12/S

◆ Specification

Part Name ※	Stamp	Inductance (μH) 100kHz/1V	D.C.R. (mΩ) (at 20℃)	Saturation Current (A) ※1	Temperature Rise Current (A) ※2
CDH38D12SNP-1R2M□	1R2	1.2±20％	42±20％	3.25	3.15
CDH38D12SNP-1R5M□	1R5	1.5±20％	55±20％	2.80	2.65
CDH38D12SNP-2R2M□	2R2	2.2±20％	69±20％	2.40	2.10
CDH38D12SNP-2R7M□	2R7	2.7±20％	88±20％	2.15	1.95
CDH38D12SNP-3R3M□	3R3	3.3±20％	100±20％	1.95	1.82
CDH38D12SNP-3R9M□	3R9	3.9±20％	125±20％	1.75	1.35
CDH38D12SNP-4R7M□	4R7	4.7±20％	135±20％	1.60	1.20
CDH38D12SNP-5R9M□	5R9	5.9±20％	190±20％	1.45	1.10
CDH38D12SNP-6R8M□	6R8	6.8±20％	200±20％	1.30	1.02
CDH38D12SNP-8R0M□	8R0	8.0±20％	245±20％	1.20	0.88
CDH38D12SNP-8R6M□	8R6	8.6±20％	260±20％	1.15	0.87
CDH38D12SNP-100M□	100	10±20％	280±20％	1.10	0.86
CDH38D12SNP-120M□	120	12±20％	360±20％	0.98	0.71
CDH38D12SNP-150M□	150	15±20％	420±20％	0.88	0.63
CDH38D12SNP-180M□	180	18±20％	560±20％	0.8	0.59
CDH38D12SNP-220M□	220	22±20％	630±20％	0.75	0.58
CDH38D12SNP-270M□	270	27±20％	830±20％	0.65	0.48
CDH38D12SNP-330M□	330	33±20％	970±20％	0.60	0.43

※ Description of part name

CDH38D12SNP-1R2M□

└── B   Box

└── C   Carrier Tape

※1.Saturation current: The DC current at which the inductance decreases to 70% of its nominal value.

※2.Temperature rise current: The DC current at which the temperature rise is △t＝40℃ (Ta＝20℃).