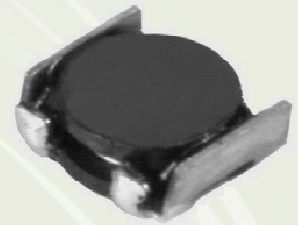


SMD Power Inductor CDH20D07



■ Features

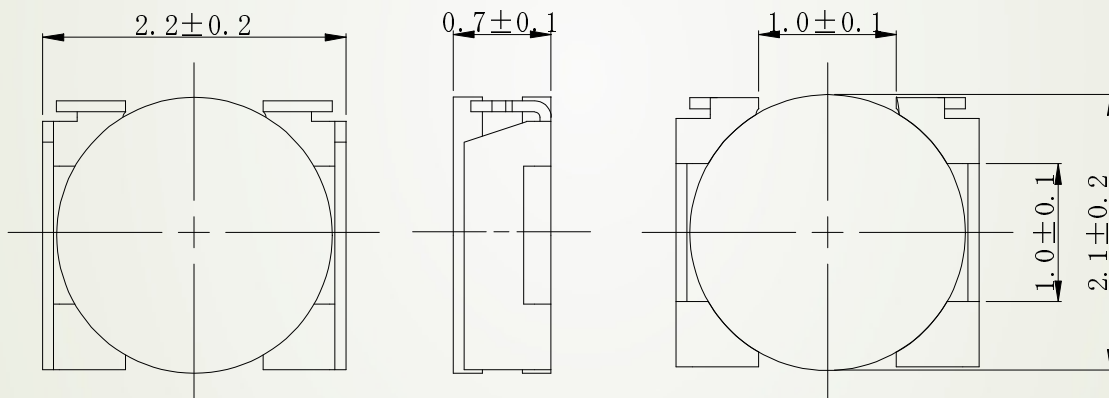
- ◎ Small size inductor: 2.4 × 2.3mm Max. (L × W) and 0.8mm Max height.
- ◎ Operating temperature range: -40°C~+105°C.
- ◎ Magnetically unshielded.
- ◎ RoHS Compliance.

■ Applications

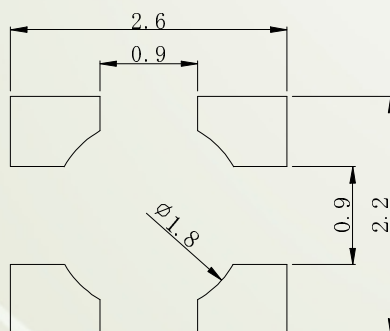
Low profile, surface mount inductor for mobile phone, PDA, DSC, and other portable devices.

■ Shapes and Dimensions/Recommended Land Patterns(mm)

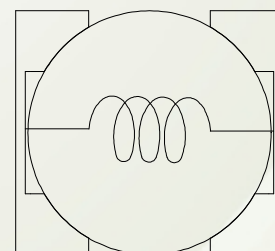
◆ Dimensions



◆ Land pattern



◆ Schematics (Bottom)



SMD Power Inductor CDH20D07



■Electrical Characteristics specification.

Part Name ※	Stamp	Inductance (μ H) 100kHz/1V	D.C.R.(m Ω) (at 20°C)	Saturation Current (A) ※1	Temperature Rise Current (A) ※2
CDH20D07NP-R68MC	C	0.68 $\pm$ 20%	94 $\pm$ 25%	1.00	1.06
CDH20D07NP-1R0MC	D	1.0 $\pm$ 20%	124 $\pm$ 20%	0.80	0.95
CDH20D07NP-1R3MC	E	1.3 $\pm$ 20%	142 $\pm$ 20%	0.70	0.85
CDH20D07NP-1R5MC	F	1.5 $\pm$ 20%	157 $\pm$ 20%	0.65	0.83
CDH20D07NP-1R8MC	G	1.8 $\pm$ 20%	173 $\pm$ 20%	0.60	0.81
CDH20D07NP-2R2MC	H	2.2 $\pm$ 20%	185 $\pm$ 20%	0.55	0.71
CDH20D07NP-2R7MC	J	2.7 $\pm$ 20%	247 $\pm$ 20%	0.50	0.61
CDH20D07NP-3R3MC	K	3.3 $\pm$ 20%	288 $\pm$ 20%	0.45	0.58
CDH20D07NP-3R6MC	L	3.6 $\pm$ 20%	308 $\pm$ 20%	0.42	0.55
CDH20D07NP-4R7MC	M	4.7 $\pm$ 20%	402 $\pm$ 20%	0.37	0.47
CDH20D07NP-5R6MC	N	5.6 $\pm$ 20%	461 $\pm$ 20%	0.34	0.42
CDH20D07NP-6R8MC	P	6.8 $\pm$ 20%	522 $\pm$ 20%	0.33	0.40

※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 $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$) .

For More Information

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