

SMD Power Inductor(HLCDH Series) 贴片功率电感 HLCDH 系列

FEATURES 特点

- Excellent solderability and high heat resistance.
良好的可焊性
- Low cost and packed in embossed carrier tape.
低成本编带包装
- Magnetically shielded construction.
磁屏蔽结构



APPLICATIONS 应用

- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

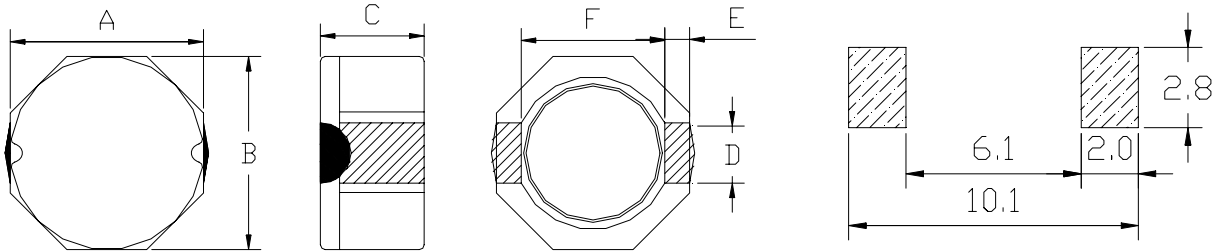
Product Identification 产品标识

HLCDH **8D28** - **100** **N** - **LF**

① ② ③ ④ ⑤

- ① Series name 系列名称
- ② Product dimensions 产品尺寸： (8.3*8.3*3.0 mm)
- ③ Inductance Value 电感量： (3R3:3.3uH 100: 10uH; 101:100uH)
- ④ Inductance Tolerance 电感量公差： (K:10% ; M:20% ; N:30% or 25%)
- ⑤ Lead free products 无铅产品

Shapes And Dimensions 外形及尺寸示意图



Series	Dimensions(mm)					
	A(max.)	B(max.)	C(max.)	D	E	F
HLCDH8D28	8.3	8.3	3.0	2.5	1.2	5.9
HLCDH8D38	8.3	8.3	4.0	2.5	1.2	5.9
HLCDH8D43	8.3	8.3	4.5	2.5	1.2	5.9

Electrical Characteristics 电气性能

HLCDH8D28 Series

Part Number	L±30% (uH)	DCR max. (Ohms)	Isat (A)	Irms (A)
HLCDH8D28-2R5N-LF	2.5	0.016	4.50	6.40
HLCDH8D28-3R3N-LF	3.3	0.018	4.00	6.00
HLCDH8D28-4R7N-LF	4.7	0.025	3.40	4.50
HLCDH8D28-7R3N-LF	7.3	0.039	2.80	3.40
HLCDH8D28-100N-LF	10.0	0.047	2.50	3.20
HLCDH8D28-150N-LF	15.0	0.069	1.90	2.35
HLCDH8D28-220N-LF	22.0	0.099	1.60	1.85
HLCDH8D28-330N-LF	33.0	0.156	1.30	1.45
HLCDH8D28-470N-LF	47.0	0.195	1.15	1.30
HLCDH8D28-680N-LF	68.0	0.286	0.92	0.98
HLCDH8D28-101N-LF	100.0	0.430	0.75	0.80

HLCDH8D38 Series

Part Number	L±30% (uH)	DCR max. (Ohms)	Isat (A)	Irms (A)
HLCDH8D38-1R8N-LF	1.8	0.016	7.00	6.80
HLCDH8D38-2R5N-LF	2.5	0.018	6.50	6.00
HLCDH8D38-3R5N-LF	3.5	0.024	5.00	5.20
HLCDH8D38-4R7N-LF	4.7	0.029	4.60	4.40
HLCDH8D38-6R0N-LF	6.0	0.032	4.20	4.00
HLCDH8D38-100N-LF	10.0	0.047	3.00	3.20
HLCDH8D38-150N-LF	15.0	0.067	2.75	2.50
HLCDH8D38-220N-LF	22.0	0.105	1.75	2.00
HLCDH8D38-330N-LF	33.0	0.157	1.52	1.60
HLCDH8D38-470N-LF	47.0	0.189	1.30	1.42
HLCDH8D38-680N-LF	68.0	0.290	1.05	1.08
HLCDH8D38-101N-LF	100.0	0.410	0.75	0.88

1. Test frequency at 100 KHz.
 2. Isat: DC current at which the inductance drops 35% from its value without current
 3. Irms: Current that causes a 40°C temperature rise from 25°C ambient.
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HLCDH8D43 Series

Part Number	L\pm30% (μH)	DCR max. (Ohms)	Isat (A)	Irms (A)
HLCDH8D43-2R0N-LF	2.0	0.014	7.00	5.50
HLCDH8D43-3R9N-LF	3.9	0.019	5.90	4.50
HLCDH8D43-4R7N-LF	4.7	0.022	5.60	4.10
HLCDH8D43-6R8N-LF	6.8	0.025	4.40	3.90
HLCDH8D43-100N-LF	10.0	0.036	4.00	3.20
HLCDH8D43-150N-LF	15.0	0.053	2.90	2.30
HLCDH8D43-220N-LF	22.0	0.075	2.60	1.80
HLCDH8D43-330N-LF	33.0	0.125	2.20	1.40
HLCDH8D43-470N-LF	47.0	0.150	1.80	1.30
HLCDH8D43-680N-LF	68.0	0.240	1.50	1.00
HLCDH8D43-101N-LF	100.0	0.360	1.30	0.80

1. Test frequency at 100 KHz.
 2. Isat: DC current at which the inductance drops 35% from its value without current
 3. Irms: Current that causes a 40°C temperature rise from 25°C ambient.
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