

**FEATURES**

- Excellent solderability and high heat resistance.
- Low cost and packed in embossed carrier tape.
- Magnetically shielded construction.



**APPLICATIONS**

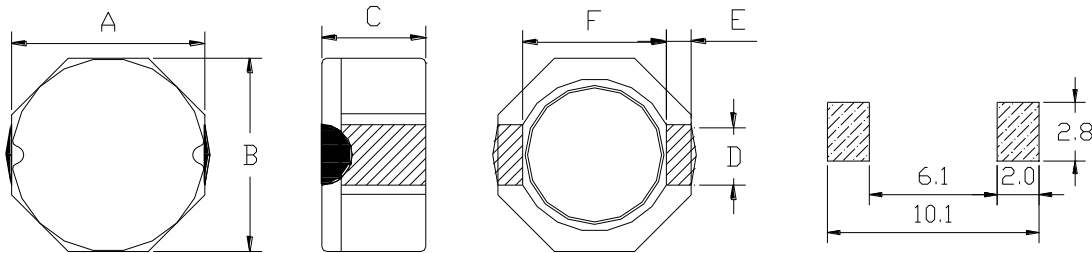
- Ideally used in Digital camera, notebook PC, LCD/LED TV set, DC-DC Converter, etc .

**Product Identification**

MGCDH    8D28    -    100    M    -    LF  
 ①            ②            ③            ④            ⑤

- ① Series Name
- ② Product Dimensions: (8.3\*8.3\*3.0 mm )
- ③ Inductance Value: (3R3:3.3uH 100: 10uH; 101:100uH)
- ④ Inductance Tolerance: (M:20% ; N:30%)
- ⑤ Lead Free Products

**Shapes and Dimensions**



Series	Dimensions(mm)					
	A(max.)	B(max.)	C(max.)	D	E	F
MGCDH8D28	8.3	8.3	3.0	2.5	1.2	5.9
MGCDH8D38	8.3	8.3	4.0	2.5	1.2	5.9
MGCDH8D43	8.3	8.3	4.5	2.5	1.2	5.9

## Electrical Characteristics

## MGCDH8D28 Series

Part Number	L±30% (uH)	DCR max. (Ohms)	Isat (A)	Irms (A)
MGCDH8D28-3R3N-LF	3.3	0.018	4.00	6.00
MGCDH8D28-4R7N-LF	4.7	0.025	3.40	4.50
MGCDH8D28-100N-LF	10.0	0.047	2.50	3.20
MGCDH8D28-150N-LF	15.0	0.069	1.90	2.35
MGCDH8D28-220N-LF	22.0	0.099	1.60	1.85
MGCDH8D28-330N-LF	33.0	0.156	1.30	1.45
MGCDH8D28-470N-LF	47.0	0.195	1.15	1.30
MGCDH8D28-680N-LF	68.0	0.286	0.92	0.98
MGCDH8D28-101N-LF	100.0	0.430	0.75	0.80

## MGCDH8D38 Series

Part Number	L±30% (uH)	DCR max. (Ohms)	Isat (A)	Irms (A)
MGCDH8D38-3R5N-LF	3.5	0.024	5.00	5.20
MGCDH8D38-4R7N-LF	4.7	0.029	4.60	4.40
MGCDH8D38-6R0N-LF	6.0	0.032	4.20	4.00
MGCDH8D38-100N-LF	10.0	0.047	3.00	3.20
MGCDH8D38-150N-LF	15.0	0.067	2.75	2.50
MGCDH8D38-220N-LF	22.0	0.105	1.75	2.00
MGCDH8D38-330N-LF	33.0	0.157	1.52	1.60
MGCDH8D38-470N-LF	47.0	0.189	1.30	1.42
MGCDH8D38-680N-LF	68.0	0.290	1.05	1.08
MGCDH8D38-101N-LF	100.0	0.410	0.75	0.88

## MGCDH8D43 Series

Part Number	L±30% (uH)	DCR max. (Ohms)	Isat (A)	Irms (A)
MGCDH8D43-3R9N-LF	3.9	0.019	5.90	4.50
MGCDH8D43-4R7N-LF	4.7	0.022	5.60	4.10
MGCDH8D43-6R8N-LF	6.8	0.025	4.40	3.90
MGCDH8D43-100N-LF	10.0	0.036	4.00	3.20
MGCDH8D43-150N-LF	15.0	0.053	2.90	2.30
MGCDH8D43-220N-LF	22.0	0.075	2.60	1.80
MGCDH8D43-330N-LF	33.0	0.125	2.20	1.40
MGCDH8D43-470N-LF	47.0	0.150	1.80	1.30
MGCDH8D43-680N-LF	68.0	0.240	1.50	1.00
MGCDH8D43-101N-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.