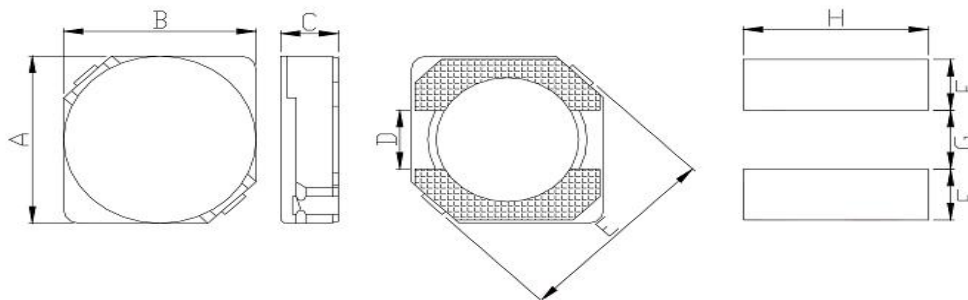


SMD Power Inductors



Feature

1. Large permissible DC current and low DC resistance.
2. Compact and thin.
3. Low cost and packed in embossed carrier tape.

Application

1. DC/CC Converter of portable equipment.
2. Camcorder, LCD TV set, Digital still camera, PDA...
3. Small size communication equipment.

Product Identification

<u>CDRH</u>	<u>3D16</u>	<u>R47</u>	<u>N</u>
A	B	C	D

A : Product code

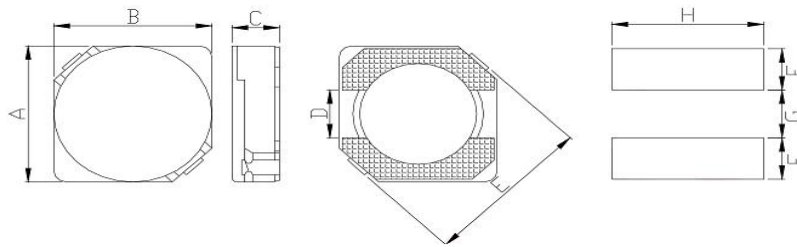
B: Dimension

C: Inductance. (for example R47= 0.47uH)

D: Inductance Tolerance. (for example K=±10% ,M=±20% ,N=±30%)

1. Mechanical & Dimensions

(UNIT: mm)



A	3.8 ± 0.2
B	3.8 ± 0.2
C	1.8 MAX
D	1.15
E	5.2
F	1.6 REF
G	1.2 REF
H	4.4 REF

2. Electrical characteristics

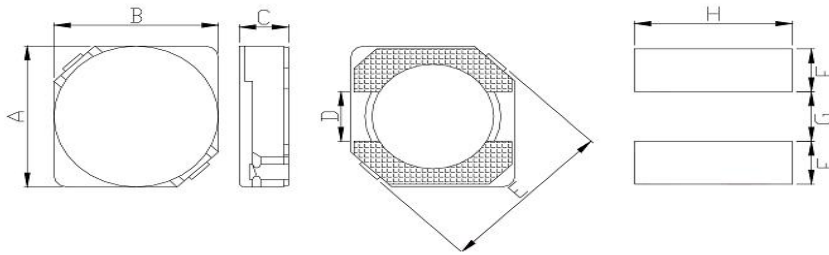
Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH3D16-R47N	0.47 ± 30%	35	2.75	R47
CDRH3D16-1R0N	1.0 ± 30%	50	1.90	1R0
CDRH3D16-1R5N	1.5 ± 30%	52	1.55	1R5
CDRH3D16-2R2N	2.2 ± 30%	72	1.20	2R2
CDRH3D16-3R3N	3.3 ± 30%	85	1.10	3R3
CDRH3D16-4R7N	4.7 ± 30%	105	0.90	4R7
CDRH3D16-6R8N	6.8 ± 30%	170	0.73	6R8
CDRH3D16-100N	10 ± 30%	210	0.55	100
CDRH3D16-150N	15 ± 30%	295	0.45	150
CDRH3D16-220N	22 ± 30%	430	0.40	220
CDRH3D16-330N	33 ± 30%	675	0.32	330

3. Operating -40°C ~ +125°C (Including self-temperature rise)

Shielded Construction-CDRH3D18 Series

1. Mechanical & Dimensions

(UNIT: mm)



A	3.8 ± 0.2
B	3.8 ± 0.2
C	2.0 MAX
D	1.15
E	5.2
F	1.6 REF
G	1.2 REF
H	4.4 REF

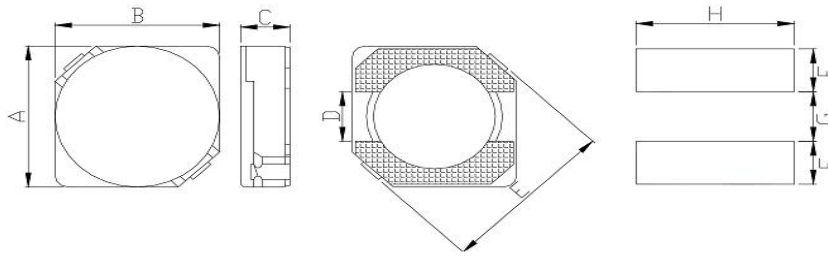
2. Electrical characteristics

Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH3D18-1R0N	1.0 ± 30%	50	2.80	1R0
CDRH3D18-2R2N	2.2 ± 30%	63	1.80	2R2
CDRH3D18-3R0N	3.0 ± 30%	69	1.60	3R0
CDRH3D18-4R7N	4.7 ± 30%	108	1.35	4R7
CDRH3D18-6R8N	6.8 ± 30%	150	1.10	6R8
CDRH3D18-100N	10 ± 30%	205	0.90	100
CDRH3D18-120N	12 ± 30%	275	0.80	120
CDRH3D18-150N	15 ± 30%	302	0.75	150
CDRH3D18-220N	22 ± 30%	424	0.60	220
CDRH3D18-330N	33 ± 30%	640	0.50	330
CDRH3D18-470N	47 ± 30%	964	0.40	470

3. Operating -40°C ~ +125°C (Including self-temperature rise)

1. Mechanical & Dimensions

(UNIT: mm)



A	3.8 ± 0.2
B	3.8 ± 0.2
C	3.1 MAX
D	1.15
E	5.2
F	1.6 REF
G	1.2 REF
H	4.4 REF

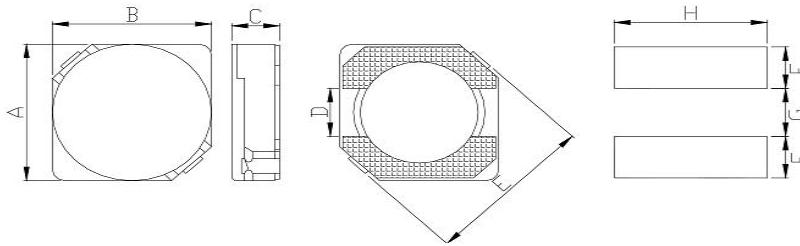
2. Electrical characteristics

Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH3D28-100N	10 ± 30%	92	0.50	100
CDRH3D28-120N	12 ± 30%	100	0.45	120
CDRH3D28-150N	15 ± 30%	113	0.40	150
CDRH3D28-180N	18 ± 30%	125	0.35	180
CDRH3D28-220N	22 ± 30%	146	0.33	220
CDRH3D28-270N	27 ± 30%	176	0.29	270
CDRH3D28-330N	33 ± 30%	214	0.28	330
CDRH3D28-390N	39 ± 30%	225	0.25	390
CDRH3D28-470N	47 ± 30%	304	0.23	470
CDRH3D28-560N	56 ± 30%	324	0.20	560
CDRH3D28-680N	68 ± 30%	472	0.18	680
CDRH3D28-820N	82 ± 30%	539	0.17	820
CDRH3D28-101M	100 ± 20%	608	0.16	101
CDRH3D28-121M	120 ± 20%	757	0.13	121
CDRH3D28-151M	150 ± 20%	882	0.12	151
CDRH3D28-181M	180 ± 20%	1130	0.11	181
CDRH3D28-221M	220 ± 20%	1269	0.10	221

3. Operating -40°C ~ +125°C (Including self-temperature rise)

1. Mechanical & Dimensions

(UNIT: mm)



A	4.7 ± 0.3
B	4.7 ± 0.3
C	2.0 MAX
D	1.5
E	6.9
F	1.9 REF
G	1.5 REF
H	5.3 REF

2. Electrical characteristics

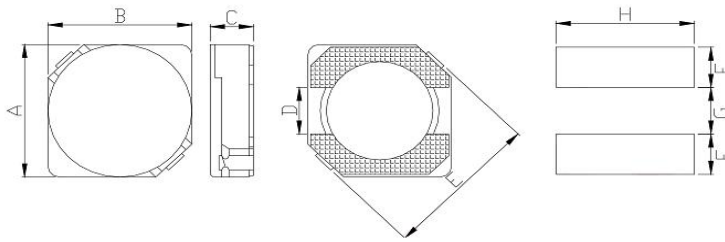
Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH4D18-1R0N	1.0 ± 30%	45	1.72	1R0
CDRH4D18-2R2N	2.2 ± 30%	75	1.32	2R2
CDRH4D18-2R7N	2.7 ± 30%	105	1.28	2R7
CDRH4D18-3R3N	3.3 ± 30%	110	1.04	3R3
CDRH4D18-3R9N	3.9 ± 30%	155	0.88	3R9
CDRH4D18-4R7N	4.7 ± 30%	162	0.84	4R7
CDRH4D18-5R6N	5.6 ± 30%	170	0.80	5R6
CDRH4D18-6R8N	6.8 ± 30%	200	0.76	6R8
CDRH4D18-8R2N	8.2 ± 30%	245	0.68	8R2
CDRH4D18-100N	10 ± 30%	200	0.61	100
CDRH4D18-120N	12 ± 30%	210	0.56	120
CDRH4D18-150N	15 ± 30%	240	0.50	150
CDRH4D18-180N	18 ± 30%	338	0.48	180
CDRH4D18-220N	22 ± 30%	397	0.41	220
CDRH4D18-270N	27 ± 10%	441	0.35	270
CDRH4D18-330N	33 ± 30%	694	0.32	330
CDRH4D18-390N	39 ± 30%	709	0.30	390
CDRH4D18-470N	47 ± 30%	922	0.28	470
CDRH4D18-560N	56 ± 30%	1080	0.26	560
CDRH4D18-680N	68 ± 30%	1300	0.24	680
CDRH4D18-820N	82 ± 30%	1550	0.22	820
CDRH4D18-101M	100 ± 20%	1730	0.20	101
CDRH4D18-121M	120 ± 20%	2390	0.18	121
CDRH4D18-151M	150 ± 20%	2670	0.15	151
CDRH4D18-181M	180 ± 20%	4000	0.14	181

3. Operating

-40°C ~ +125°C (Including self-temperature rise)

1.Mechanical & Dimensions

(UNIT: mm)



A	4.7 ± 0.3
B	4.7 ± 0.3
C	3.0 MAX
D	1.5
E	6.9
F	1.9 REF
G	1.5 REF
H	5.3 REF

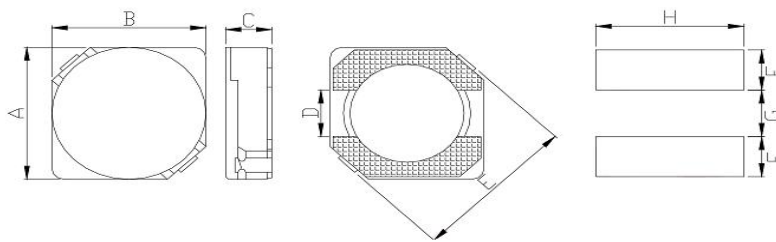
2.Electrical characteristics

Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH4D28-1R2N	1.2 ± 30%	24	2.56	1R2
CDRH4D28-1R8N	1.8 ± 30%	28	2.20	1R8
CDRH4D28-2R2N	2.2 ± 30%	31	2.04	2R2
CDRH4D28-2R7N	2.7 ± 30%	43	1.60	2R7
CDRH4D28-3R3N	3.3 ± 30%	49	1.57	3R3
CDRH4D28-3R9N	3.9 ± 30%	65	1.44	3R9
CDRH4D28-4R7N	4.7 ± 30%	72	1.32	4R7
CDRH4D28-5R6N	5.6 ± 30%	101	1.17	5R6
CDRH4D28-6R8N	6.8 ± 30%	109	1.12	6R8
CDRH4D28-8R2N	8.2 ± 30%	118	1.04	8R2
CDRH4D28-100N	10 ± 30%	128	1.00	100
CDRH4D28-120N	12 ± 30%	132	0.84	120
CDRH4D28-150N	15 ± 30%	149	0.76	150
CDRH4D28-180N	18 ± 30%	166	0.72	180
CDRH4D28-220N	22 ± 30%	235	0.70	220
CDRH4D28-270N	27 ± 30%	261	0.58	270
CDRH4D28-330N	33 ± 30%	378	0.56	330
CDRH4D28-390N	39 ± 30%	384	0.50	390
CDRH4D28-470N	47 ± 30%	587	0.48	470
CDRH4D28-560N	56 ± 30%	625	0.41	560
CDRH4D28-680N	68 ± 30%	699	0.35	680
CDRH4D28-820N	82 ± 30%	915	0.32	820
CDRH4D28-101M	100 ± 20%	1020	0.29	101
CDRH4D28-121M	120 ± 20%	1270	0.27	121
CDRH4D28-151M	150 ± 20%	1350	0.24	151
CDRH4D28-181M	180 ± 20%	1540	0.22	181
CDRH4D28-221M	220 ± 20%	1720	0.20	221
CDRH4D28-271M	270 ± 20%	1950	0.16	271
CDRH4D28-331M	330 ± 20%	2660	0.14	331
CDRH4D28-391M	390 ± 20%	2830	0.13	391

3.Operating -40°C ~ +125°C (Including self-temperature rise)

1. Mechanical & Dimensions

(UNIT: mm)



A	5.7 ± 0.3
B	5.7 ± 0.3
C	2.0 MAX
D	2
E	8.2
F	2.15 REF
G	2.0 REF
H	6.3 REF

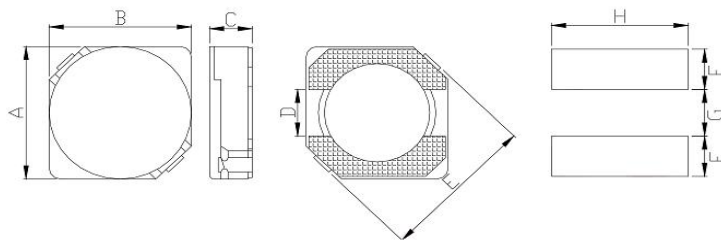
2. Electrical characteristics

Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH5D18-4R1N	4.1 ± 30%	57	1.95	4R1
CDRH5D18-6R2N	6.2 ± 30%	96	1.40	6R2
CDRH5D18-100N	10 ± 30%	124	1.20	100
CDRH5D18-120N	12 ± 30%	153	1.10	120
CDRH5D18-150N	15 ± 30%	196	0.97	150
CDRH5D18-180N	18 ± 30%	210	0.85	180
CDRH5D18-220N	22 ± 30%	290	0.80	220
CDRH5D18-330N	33 ± 30%	386	0.65	330
CDRH5D18-470N	47 ± 30%	595	0.54	470
CDRH5D18-680N	68 ± 30%	840	0.43	680
CDRH5D18-820N	82 ± 30%	978	0.41	820
CDRH5D18-101M	100 ± 20%	1200	0.36	101
CDRH5D18-121M	120 ± 20%	1500	0.33	121
CDRH5D18-151M	150 ± 20%	1710	0.31	151
CDRH5D18-181M	180 ± 20%	2240	0.28	181

3. Operating -40°C ~ +125°C (Including self-temperature rise)

1. Mechanical & Dimensions

(UNIT: mm)



A	5.7 ± 0.3
B	5.7 ± 0.3
C	3.0 MAX
D	2
E	8.2
F	2.15 REF
G	2.0 REF
H	6.3 REF

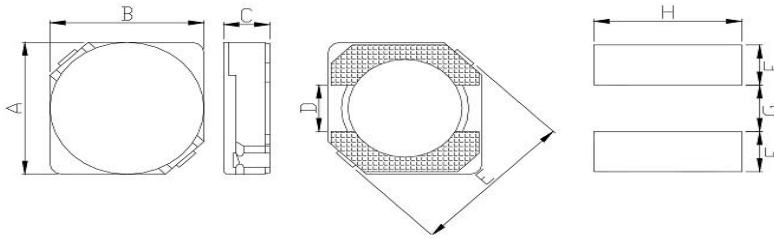
2. Electrical characteristics

Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH5D28-1R0N	1.0 ± 30%	15	2.80	1R0
CDRH5D28-2R2N	2.2 ± 30%	23	2.60	2R2
CDRH5D28-5R6N	5.6 ± 30%	38	1.90	5R6
CDRH5D28-8R2N	8.2 ± 30%	53	1.60	8R2
CDRH5D28-100N	10 ± 30%	65	1.30	100
CDRH5D28-120N	12 ± 30%	76	1.20	120
CDRH5D28-180N	18 ± 30%	110	1.00	180
CDRH5D28-220N	22 ± 30%	122	0.90	220
CDRH5D28-330N	33 ± 30%	189	0.75	330
CDRH5D28-470N	47 ± 30%	260	0.62	470
CDRH5D28-680N	68 ± 30%	355	0.52	680
CDRH5D28-101M	100 ± 20%	520	0.42	101
CDRH5D28-151M	150 ± 20%	680	0.35	151
CDRH5D28-181M	180 ± 20%	930	0.32	181
CDRH5D28-221M	220 ± 20%	1150	0.30	221
CDRH5D28-271M	270 ± 20%	1560	0.27	271
CDRH5D28-331M	330 ± 20%	1980	0.25	331

3. Operating -40°C ~ +125°C (Including self-temperature rise)

1. Mechanical & Dimensions

(UNIT: mm)



A	6.7 ± 0.3
B	6.7 ± 0.3
C	3.0 MAX
D	2
E	9.5
F	2.65 REF
G	2.0 REF
H	7.3 REF

2. Electrical characteristics

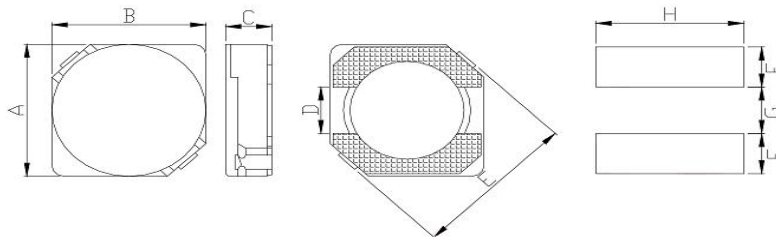
Part Number	Inductance L0(μH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH6D28-3R0N	3.0 ± 30%	24	3.00	3R0
CDRH6D28-3R9N	3.9 ± 30%	27	2.60	3R9
CDRH6D28-5R0N	5.0 ± 30%	31	2.40	5R0
CDRH6D28-6R0N	6.0 ± 30%	35	2.25	6R0
CDRH6D28-7R3N	7.3 ± 30%	54	2.10	7R3
CDRH6D28-8R6N	8.6 ± 30%	58	1.85	8R6
CDRH6D28-100N	10 ± 30%	65	1.70	100
CDRH6D28-120N	12 ± 30%	70	1.55	120
CDRH6D28-150N	15 ± 30%	84	1.40	150
CDRH6D28-180N	18 ± 30%	95	1.32	180
CDRH6D28-220N	22 ± 30%	128	1.20	220
CDRH6D28-270N	27 ± 30%	142	1.05	270
CDRH6D28-330N	33 ± 30%	165	0.97	330
CDRH6D28-390N	39 ± 30%	210	0.86	390
CDRH6D28-470N	47 ± 30%	238	0.80	470
CDRH6D28-560N	56 ± 30%	277	0.73	560
CDRH6D28-680N	68 ± 30%	304	0.65	680
CDRH6D28-820N	82 ± 30%	390	0.60	820
CDRH6D28-101M	100 ± 20%	535	0.54	101
CDRH6D28-121M	120 ± 20%	750	0.51	121
CDRH6D28-151M	150 ± 20%	950	0.47	151
CDRH6D28-181M	180 ± 20%	1200	0.41	181
CDRH6D28-221M	220 ± 20%	1500	0.37	221
CDRH6D28-271M	270 ± 20%	1700	0.33	271
CDRH6D28-331M	330 ± 20%	2150	0.28	331
CDRH6D28-391M	390 ± 20%	2250	0.27	391
CDRH6D28-471M	470 ± 20%	3150	0.21	471

3. Operating -40°C ~ +125°C (Including self-temperature rise)

Shielded Construction-CDRH6D38 Series

1. Mechanical & Dimensions

(UNIT: mm)



A	6.7 ± 0.3
B	6.7 ± 0.3
C	4.0 MAX
D	2
E	9.5
F	2.65 REF
G	2.0 REF
H	7.3 REF

2. Electrical characteristics

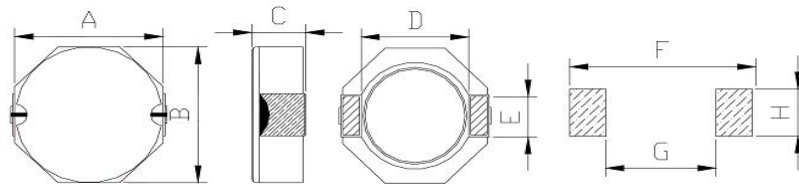
Part Number	Inductance L0(μH)	DCR (mΩ)	I-sat (Amps)	MARKING
	100KHZ /1.0V	MAX	≥65%L0	
CDRH6D38-3R0N	3.0 ± 30%	20	3.50	3R0
CDRH6D38-5R0N	5.0 ± 30%	24	2.90	5R0
CDRH6D38-6R2N	6.2 ± 30%	27	2.50	6R2
CDRH6D38-7R3N	7.3 ± 30%	31	2.30	7R3
CDRH6D38-8R6N	8.6 ± 30%	34	2.20	8R6
CDRH6D38-100N	10 ± 30%	38	2.00	100
CDRH6D38-120N	12 ± 30%	53	1.70	120
CDRH6D38-150N	15 ± 30%	57	1.60	150
CDRH6D38-180N	18 ± 30%	92	1.50	180
CDRH6D38-220N	22 ± 30%	96	1.30	220
CDRH6D38-270N	27 ± 30%	109	1.20	270
CDRH6D38-330N	33 ± 30%	124	1.10	330
CDRH6D38-390N	39 ± 30%	138	1.00	390
CDRH6D38-470N	47 ± 30%	155	0.95	470
CDRH6D38-560N	56 ± 30%	202	0.85	560
CDRH6D38-680N	68 ± 30%	234	0.75	680
CDRH6D38-820N	82 ± 30%	324	0.70	820
CDRH6D38-101M	100 ± 20%	358	0.65	101
CDRH6D38-121M	120 ± 20%	470	0.59	121
CDRH6D38-151M	150 ± 20%	580	0.54	151
CDRH6D38-181M	180 ± 20%	690	0.49	181
CDRH6D38-221M	220 ± 20%	890	0.43	221
CDRH6D38-271M	270 ± 20%	1290	0.40	271
CDRH6D38-331M	330 ± 20%	1700	0.37	331
CDRH6D38-391M	390 ± 20%	1750	0.34	391
CDRH6D38-471M	470 ± 20%	2200	0.32	471
CDRH6D38-561M	560 ± 20%	2850	0.29	561
CDRH6D38-681M	680 ± 20%	3200	0.25	681

3. Operating -40°C ~ +125°C (Including self-temperature rise)

Shielded Construction-CDRH8D28Series

1.Mechanical & Dimensions

(UNIT: mm)



A	8.0 ± 0.3
B	8.0 ± 0.3
C	3.0 MAX
D	6.3
E	2.5
F	10.1 REF
G	6.1 REF
H	2.8 REF

2.Electrical characteristics

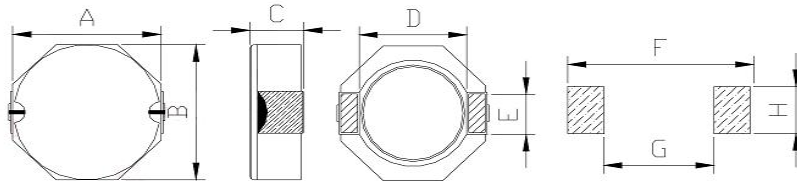
Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	Heat Rating
	100KHZ /1.0V	MAX	≥65%L0	Current(A)
CDRH8D28-1R0N	1.0 ± 30%	11	6.50	7.00
CDRH8D28-2R5N	2.5 ± 30%	16	4.50	6.40
CDRH8D28-3R3N	3.3 ± 30%	19	4.00	6.00
CDRH8D28-4R7N	4.7 ± 30%	25	3.40	4.50
CDRH8D28-7R3N	7.3 ± 30%	39	2.80	3.40
CDRH8D28-100N	10 ± 30%	47	2.50	3.20
CDRH8D28-150N	15 ± 30%	69	1.90	2.35
CDRH8D28-220N	22 ± 30%	99	1.60	1.85
CDRH8D28-330N	33 ± 30%	156	1.30	1.49
CDRH8D28-470N	47 ± 30%	195	1.15	1.30
CDRH8D28-680N	68 ± 30%	286	0.92	0.98
CDRH8D28-101M	100 ± 20%	430	0.75	0.80

3.Operating -40°C ~ +125°C (Including self-temperature rise)

Shielded Construction-CDRH8D38 Series

1. Mechanical & Dimensions

(UNIT: mm)



A	8.0 ± 0.3
B	8.0 ± 0.3
C	4.0 MAX
D	6.3
E	2.5
F	10.1 REF
G	6.1 REF
H	2.8 REF

2. Electrical characteristics

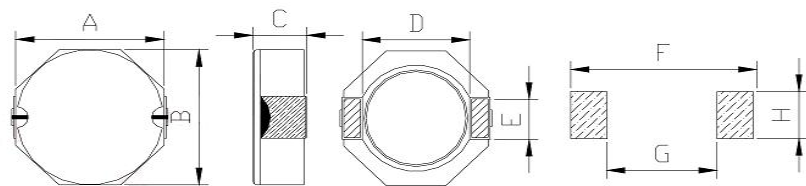
Part Number	Inductance L0(uH) 100KHZ /1.0V	DCR (mΩ) MAX	I-sat (Amps) ≥65%L0	Heat Rating Current(A)
CDRH8D38-1R8N	1.8 ± 30%	16	7.00	6.80
CDRH8D38-2R5N	2.5 ± 30%	18	6.50	6.00
CDRH8D38-3R3N	3.3 ± 30%	24	5.00	5.20
CDRH8D38-4R7N	4.7 ± 30%	29	4.60	4.40
CDRH8D38-6R0N	6.0 ± 30%	32	4.20	4.00
CDRH8D38-100N	10 ± 30%	48	3.00	3.20
CDRH8D38-150N	15 ± 30%	67	2.75	2.50
CDRH8D38-220N	22 ± 30%	105	2.30	2.00
CDRH8D38-330N	33 ± 30%	157	1.75	1.60
CDRH8D38-470N	47 ± 30%	189	1.52	1.42
CDRH8D38-680N	68 ± 30%	290	1.30	1.08
CDRH8D38-101M	100 ± 20%	410	1.05	0.88

3. Operating -40°C ~ +125°C (Including self-temperature rise)

Shielded Construction-CDRH8D43 Series

1. Mechanical & Dimensions

(UNIT: mm)



A	8.0 ± 0.3
B	8.0 ± 0.3
C	4.5 MAX
D	6.3
E	2.5
F	10.1 REF
G	6.1 REF
H	2.8 REF

2. Electrical characteristics

Part Number	Inductance L0(uH)	DCR (mΩ)	I-sat (Amps)	Heat Rating
	100KHZ /1.0V	MAX	≥65%L0	Current(A)
CDRH8D43-1R0N	1.0 ± 30%	10	8.50	6.60
CDRH8D43-1R2N	1.2 ± 30%	13	8.00	6.20
CDRH8D43-2R2N	2.2 ± 30%	14	7.00	5.50
CDRH8D43-3R9N	3.9 ± 30%	19	5.90	4.50
CDRH8D43-4R7N	4.7 ± 30%	22	5.60	4.10
CDRH8D43-6R8N	6.8 ± 30%	25	4.40	3.90
CDRH8D43-100N	10 ± 30%	36	4.00	3.20
CDRH8D43-150N	15 ± 30%	53	2.90	2.30
CDRH8D43-220N	22 ± 30%	75	2.60	1.80
CDRH8D43-330N	33 ± 30%	125	2.20	1.40
CDRH8D43-470N	47 ± 30%	150	1.80	1.30
CDRH8D43-680N	68 ± 30%	240	1.50	1.00
CDRH8D43-101M	100 ± 20%	360	1.30	0.80

3. Operating -40°C ~ +125°C (Including self-temperature rise)

4. Reliability and Testing Conditions / Pin Type Power Inductors

Item	Specification	Conditions															
Operating temperature range	-40°C ~ +125°C (Including self-temperature rise)																
Storage temperature and humidity range	-40°C ~ +85°C , 70% RH Max																
Solderability	More than 90% of the terminal electrode should be covered with solder.	<p>Unit: Second</p>															
Solder Heat Resistance	Inductance within ±20% of initial value. No disconnection or short circuit. The appearance shall not break.	<p>Unit: Second</p>															
Heat resistance	Inductance within ±20% of initial value. No disconnection or short circuit. The appearance shall not break.	After 96 hours in 85±5°C and 2 hour drying under normal condition.															
Cold resistance	Inductance within ±20% of initial value. No disconnection or short circuit. The appearance shall not break.	After 96 hours in -40±5°C and 2 hour drying under normal condition.															
Thermal shock	Inductance within ±20% of initial value. No disconnection or short circuit. The appearance shall not break.	After 100 cycles of following condition. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Step</th> <th>Temperature (°C)</th> <th>Times (min.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-40±5°C</td> <td>30</td> </tr> <tr> <td>2</td> <td>Room Temperature</td> <td>Within 3</td> </tr> <tr> <td>3</td> <td>85±5°C</td> <td>30</td> </tr> <tr> <td>4</td> <td>Room Temperature</td> <td>Within 3</td> </tr> </tbody> </table>	Step	Temperature (°C)	Times (min.)	1	-40±5°C	30	2	Room Temperature	Within 3	3	85±5°C	30	4	Room Temperature	Within 3
Step	Temperature (°C)	Times (min.)															
1	-40±5°C	30															
2	Room Temperature	Within 3															
3	85±5°C	30															
4	Room Temperature	Within 3															
Humidity Resistance	Inductance within ±20% of initial value. No disconnection or short circuit. The appearance shall not break.	After 96 hours in 40±2°C and 90 to 95% humidity , and 2 hour drying under normal condition.															
Vibration Test	Inductance within ±5% of initial value and appearance shall not break.	After vibration for 1hour, In each of three orientations at sweep vibration (10~55~10Hz) with 1.52mm P-P Amplitudes.															
Terminal strength	The terminal electrode and the ferrite must not be damaged	Solder a chip to test substrate, and then laterally apply a load 10N in the arrow direction, Duration :5s															

5.Recommended Soldering Conditions

Figure 1. Re-flow Soldering

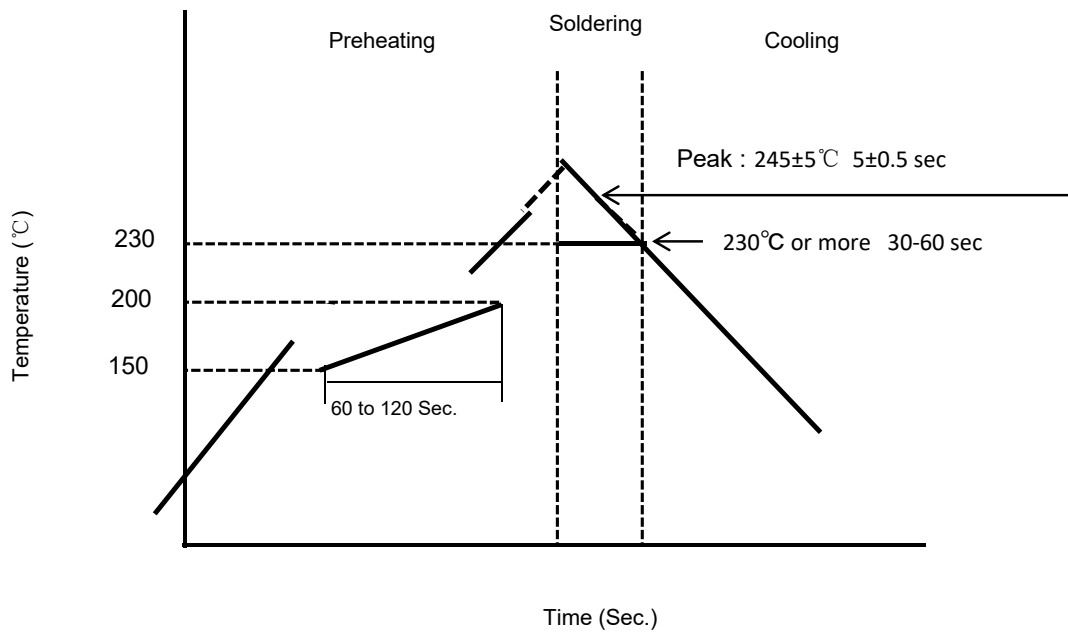


Figure 2. Hand Soldering

