

CDN10050 Series

Features :

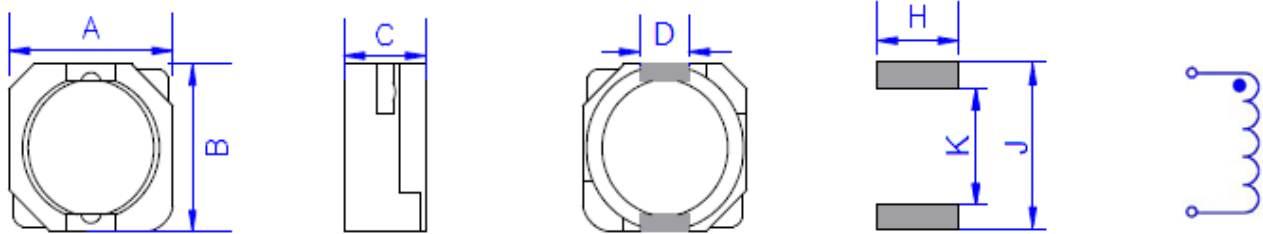
- DC power supply circuit
- Operating temperature range of -25°C to +85°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering methods can be employed
- Open Magnetic circuit construction

Applications :

- LCD panels , Power line choke , DC-DC converter , laptops and PC



Shapes And Dimensions : (Unit :mm)



Type	A (max.)	B (max.)	C (max.)	D (ref.)	H (ref.)	J (ref.)	K (ref.)
CDN10050	10.4	10.3	5.0	3.0	3.2	10.5	7.3

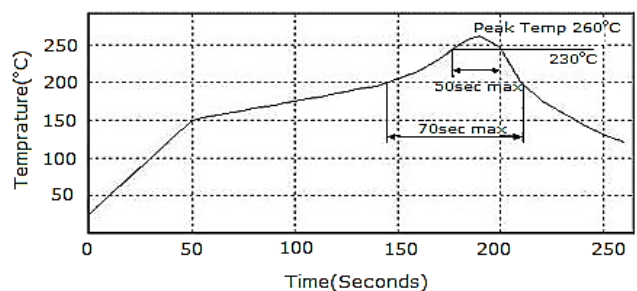
Part Number Code :

CDN 10050 -1R5 M -E
 1 2 3 4 5

1. Product type
2. Size code
3. Inductance value (1R5 : 1.5uH 150 : 15uH)
4. Tolerance : N±30% M±20% L±15% K±10% J±5%
5. E: Lead free, Rohs compliant

Reflow Profile :

Peak Temp : 260°C
 Max time above 230°C 50sec
 Max time above 200°C 70sec



CDN10050 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
CDN10050-R80	0.80	N	100KHz 0.25V	0.004	13.500
CDN10050-1R5	1.50	N	100KHz 0.25V	0.006	10.500
CDN10050-2R0	2.00	N	100KHz 0.25V	0.007	9.250
CDN10050-2R2	2.20	N	100KHz 0.25V	0.007	9.250
CDN10050-3R3	3.30	N	100KHz 0.25V	0.010	7.800
CDN10050-3R6	3.60	N	100KHz 0.25V	0.011	6.500
CDN10050-4R7	4.70	N	100KHz 0.25V	0.012	6.400
CDN10050-5R5	5.50	N	100KHz 0.25V	0.021	5.800
CDN10050-5R6	5.60	N	100KHz 0.25V	0.018	5.400
CDN10050-6R8	6.80	N	100KHz 0.25V	0.018	5.400
CDN10050-7R8	7.80	N	100KHz 0.25V	0.019	5.000
CDN10050-8R2	8.20	N	100KHz 0.25V	0.020	4.850
CDN10050-100	10.00	N / M	100KHz 0.25V	0.026	4.450
CDN10050-120	12.00	N / M	100KHz 0.25V	0.033	4.000
CDN10050-150	15.00	N / M	100KHz 0.25V	0.041	3.600
CDN10050-180	18.00	N / M	100KHz 0.25V	0.046	3.200
CDN10050-220	22.00	N / M	100KHz 0.25V	0.061	2.950
CDN10050-270	27.00	N / M	100KHz 0.25V	0.069	2.700
CDN10050-300	30.00	N / M	100KHz 0.25V	0.068	1.650
CDN10050-330	33.00	N / M	100KHz 0.25V	0.084	2.400
CDN10050-390	39.00	N / M	100KHz 0.25V	0.106	2.300
CDN10050-470	47.00	N / M	100KHz 0.25V	0.130	2.000
CDN10050-560	56.00	N / M	100KHz 0.25V	0.149	1.900
CDN10050-680	68.00	N / M	100KHz 0.25V	0.201	1.650
CDN10050-820	82.00	N / M	100KHz 0.25V	0.227	1.500
CDN10050-101	100.00	N / M	100KHz 0.25V	0.253	1.350
CDN10050-121	120.00	N / M	100KHz 0.25V	0.303	1.280
CDN10050-151	150.00	N / M	100KHz 0.25V	0.370	1.120
CDN10050-181	180.00	N / M	100KHz 0.25V	0.419	1.040
CDN10050-221	220.00	N / M	100KHz 0.25V	0.500	0.940
CDN10050-271	270.00	N / M	100KHz 0.25V	0.672	0.840
CDN10050-331	330.00	N / M	100KHz 0.25V	0.812	0.750
CDN10050-391	390.00	N / M	100KHz 0.25V	0.953	0.700
CDN10050-471	470.00	N / M	100KHz 0.25V	1.289	0.600
CDN10050-561	560.00	N / M	100KHz 0.25V	1.430	0.540
CDN10050-681	680.00	N / M	100KHz 0.25V	1.599	0.520
CDN10050-821	820.00	N / M	100KHz 0.25V	1.768	0.500
CDN10050-102	1000.00	N / M	100KHz 0.25V	1.989	0.480
CDN10050-152	1500.00	M	100KHz 0.25V	3.800	0.300
CDN10050-332	3300.00	M	100KHz 0.25V	7.500	0.200
CDN10050-502	5000.00	N / M	100KHz 0.25V	10.800	0.200
CDN10050-652	6500.00	N / M	100KHz 0.25V	13.500	0.145

Code "-E" : Lead free process and RoHs compliant

Inductance tolerance : N±30% M±20% L±15% K±10% J±5%

IDC : $\Delta L/L(0A) \leq 35\%$