

CDN10040 Series

Features :

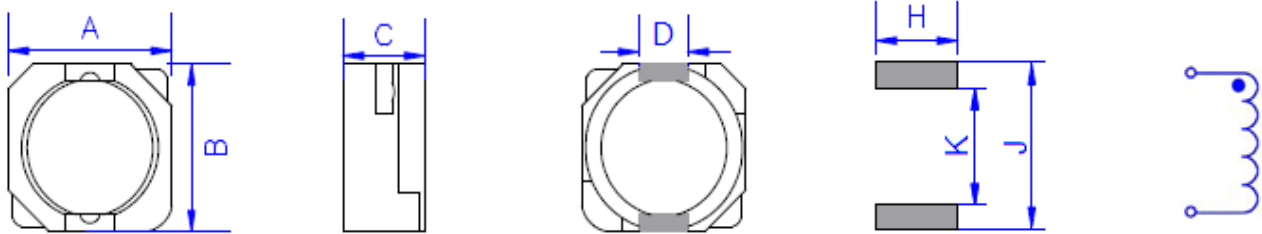
- DC power supply circuit
- Operating temperature range of -25°C to +85°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
CDN10040	10.4	10.3	4.0	3.0	3.2	10.5	7.3

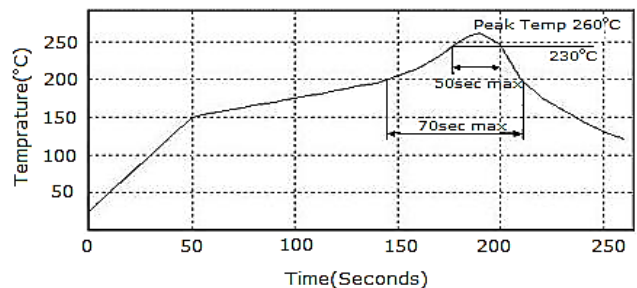
Part Number Code :

CDN 10040 -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



CDN10040 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
CDN10040-R56	0.56	N	100KHz 0.25V	0.008	10.000
CDN10040-R68	0.68	N / M	100KHz 0.25V	0.008	10.000
CDN10040-1R0	1.00	N / M	100KHz 0.25V	0.008	10.000
CDN10040-1R2	1.20	N	100KHz 0.10V	0.008	10.000
CDN10040-1R3	1.30	N	100KHz 0.10V	0.008	10.000
CDN10040-1R5	1.50	N / M	100KHz 0.25V	0.008	10.000
CDN10040-1R8	1.80	N	100KHz 0.25V	0.010	9.500
CDN10040-2R2	2.20	N / M	100KHz 0.25V	0.011	8.000
CDN10040-2R5	2.50	N / M	100KHz 0.25V	0.012	7.500
CDN10040-2R7	2.70	N	100KHz 0.25V	0.012	7.500
CDN10040-3R3	3.30	N / M	100KHz 0.25V	0.013	6.500
CDN10040-3R8	3.80	N / M	100KHz 0.25V	0.017	6.200
CDN10040-4R7	4.70	N / M	100KHz 0.10V	0.021	5.700
CDN10040-5R0	5.00	N / M	100KHz 0.25V	0.022	5.600
CDN10040-5R2	5.20	N	100KHz 0.25V	0.022	5.500
CDN10040-5R6	5.60	N	100KHz 0.25V	0.025	5.200
CDN10040-6R2	6.20	N	100KHz 0.25V	0.027	4.800
CDN10040-6R8	6.80	N / M	100KHz 0.25V	0.026	4.900
CDN10040-7R0	7.00	N	100KHz 0.25V	0.027	4.800
CDN10040-8R2	8.20	N / M	100KHz 0.25V	0.033	4.600
CDN10040-100	10.00	N / M / K	1.0KHz 0.25V	0.035	4.400
CDN10040-120	12.00	M	1.0KHz 0.25V	0.046	3.920
CDN10040-150	15.00	N / M	1.0KHz 0.25V	0.050	3.600
CDN10040-180	18.00	M	1.0KHz 0.25V	0.070	3.000
CDN10040-220	22.00	N / M	1.0KHz 0.25V	0.073	2.900
CDN10040-270	27.00	M	1.0KHz 0.25V	0.083	2.800
CDN10040-330	33.00	N / M	1.0KHz 0.25V	0.093	2.300
CDN10040-390	39.00	M	1.0KHz 0.25V	0.120	2.200
CDN10040-470	47.00	N / M	1.0KHz 0.25V	0.128	2.100
CDN10040-560	56.00	M	1.0KHz 0.25V	0.171	1.800
CDN10040-680	68.00	N / M	1.0KHz 0.25V	0.213	1.500
CDN10040-820	82.00	M	1.0KHz 0.25V	0.250	1.400
CDN10040-101	100.00	N / M	1.0KHz 0.25V	0.304	1.350
CDN10040-121	120.00	M	1.0KHz 0.25V	0.400	1.200
CDN10040-151	150.00	N / M	1.0KHz 0.25V	0.506	1.150
CDN10040-181	180.00	N / M	1.0KHz 0.25V	0.631	1.030
CDN10040-221	220.00	N / M	1.0KHz 0.25V	0.756	0.920
CDN10040-271	270.00	N / M	1.0KHz 0.25V	0.853	0.840
CDN10040-331	330.00	N / M	1.0KHz 0.25V	1.090	0.700
CDN10040-471	470.00	M	1.0KHz 0.25V	1.520	0.540
CDN10040-102	1000.00	M	1.0KHz 0.25V	3.250	0.320
CDN10040-302	3000.00	M	1.0KHz 0.25V	9.500	0.175
CDN10040-153	15000.00	N	1.0KHz 0.25V	48.000	0.080

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

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

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