

CDN10030 Series

Features :

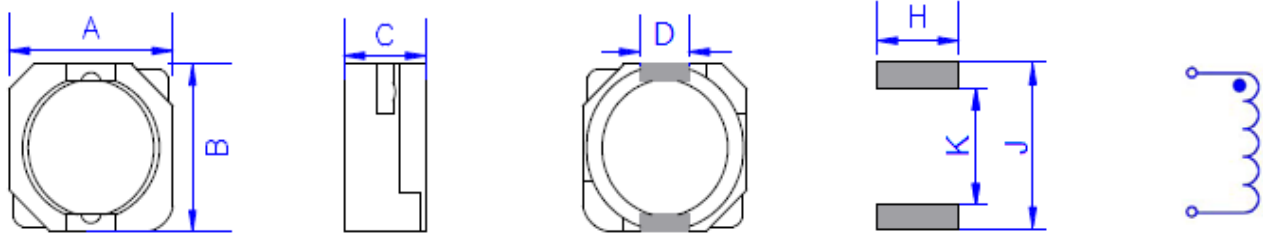
- DC power supply circuit
- Operating temperature range of -25°C to +85°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
CDN10030	10.4	10.3	3.1	3.0	3.2	10.5	7.3

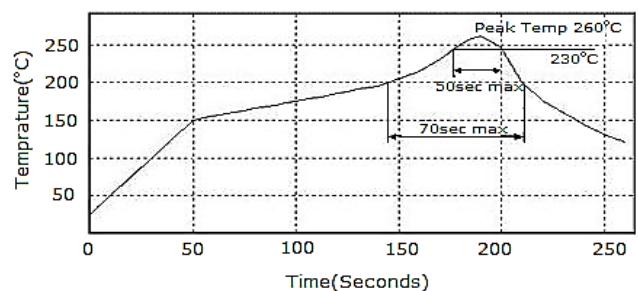
Part Number Code :

CDN 10030 -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



CDN10030 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
CDN10030-1R5	1.50	N	100KHz 0.25V	0.020	6.200
CDN10030-2R2	2.20	M	100KHz 0.25V	0.023	5.600
CDN10030-3R3	3.30	N	100KHz 0.25V	0.029	5.000
CDN10030-4R7	4.70	N	100KHz 0.25V	0.035	4.830
CDN10030-5R2	5.20	N	100KHz 0.25V	0.035	4.830
CDN10030-6R8	6.80	N	100KHz 0.25V	0.035	3.840
CDN10030-100	10.00	M	100KHz 0.10V	0.058	2.700
CDN10030-120	12.00	N / M	100KHz 0.25V	0.072	2.250
CDN10030-150	15.00	M	100KHz 0.25V	0.086	2.220
CDN10030-180	18.00	N / M	100KHz 0.25V	0.116	1.900
CDN10030-220	22.00	N / M	100KHz 0.10V	0.145	1.780
CDN10030-270	27.00	N / M	100KHz 0.25V	0.176	1.630
CDN10030-330	33.00	N / M	100KHz 0.25V	0.213	1.460
CDN10030-390	39.00	N / M	100KHz 0.25V	0.270	1.320
CDN10030-470	47.00	N / M	100KHz 0.25V	0.299	1.180
CDN10030-560	56.00	N / M	100KHz 0.25V	0.335	1.100
CDN10030-680	68.00	N / M	100KHz 0.25V	0.451	1.040
CDN10030-820	82.00	N / M	100KHz 0.25V	0.513	0.940
CDN10030-101	100.00	N / M	100KHz 0.25V	0.700	0.840
CDN10030-121	120.00	N / M	100KHz 0.25V	0.765	0.760
CDN10030-151	150.00	N / M	100KHz 0.25V	0.876	0.700
CDN10030-221	220.00	M	100KHz 0.25V	1.050	0.580
CDN10030-331	330.00	M	100KHz 0.25V	1.800	0.520
CDN10030-471	470.00	M	100KHz 0.25V	2.170	0.480
CDN10030-561	560.00	M	100KHz 0.25V	2.750	0.350
CDN10030-821	820.00	M	100KHz 0.25V	3.800	0.280
CDN10030-931	930.00	M	100KHz 0.25V	4.800	0.260

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

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

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