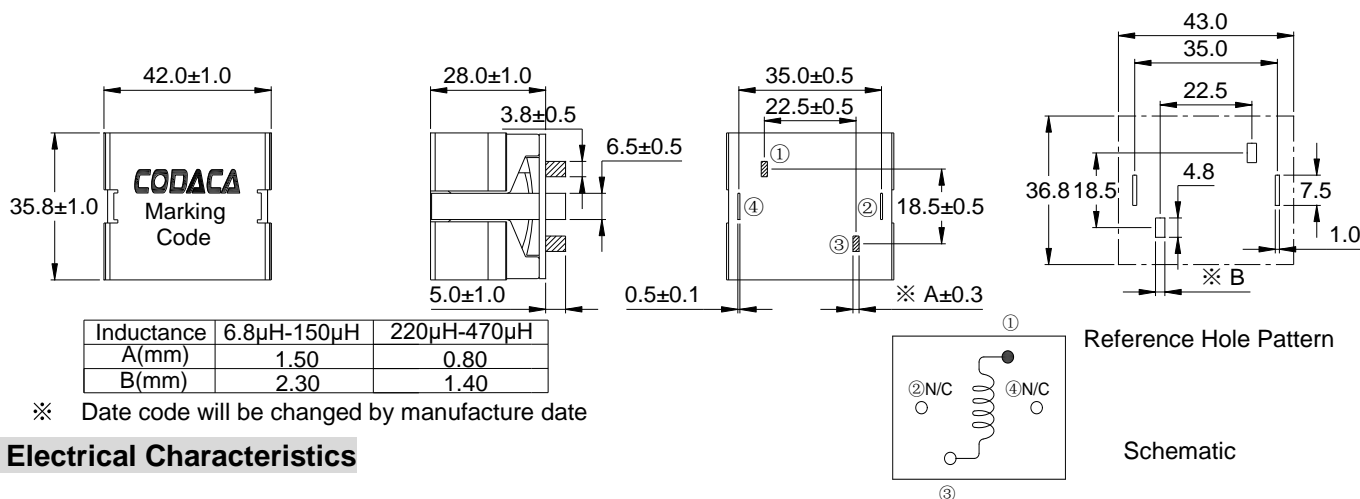


1 Product	Dimensions (mm)
2	300
3	400
4	500
5	600
6	700
7	800
8	900
9	1000
10	1100
11	1200
12	1300
13	1400
14	1500
15	1600
16	1700
17	1800
18	1900
19	2000
20	2100
21	2200
22	2300
23	2400
24	2500
25	2600
26	2700
27	2800
28	2900
29	3000
30	3100
31	3200
32	3300
33	3400
34	3500
35	3600
36	3700
37	3800
38	3900
39	4000
40	4100
41	4200
42	4300
43	4400
44	4500
45	4600
46	4700
47	4800
48	4900
49	5000
50	5100
51	5200
52	5300
53	5400
54	5500
55	5600
56	5700
57	5800
58	5900
59	6000
60	6100
61	6200
62	6300
63	6400
64	6500
65	6600
66	6700
67	6800
68	6900
69	7000
70	7100
71	7200
72	7300
73	7400
74	7500
75	7600
76	7700
77	7800
78	7900
79	8000
80	8100
81	8200
82	8300
83	8400
84	8500
85	8600
86	8700
87	8800
88	8900
89	9000
90	9100
91	9200
92	9300
93	9400
94	9500
95	9600
96	9700
97	9800
98	9900
99	10000
100	10100
101	10200
102	10300
103	10400
104	10500
105	10600
106	10700
107	10800
108	10900
109	11000
110	11100
111	11200
112	11300
113	11400
114	11500
115	11600
116	11700
117	11800
118	11900
119	12000
120	12100
121	12200
122	12300
123	12400
124	12500
125	12600
126	12700
127	12800
128	12900
129	13000
130	13100
131	13200
132	13300
133	13400
134	13500
135	13600
136	13700
137	13800
138	13900
139	14000
140	14100
141	14200
142	14300
143	14400
144	14500
145	14600
146	14700
147	14800
148	14900
149	15000
150	15100
151	15200
152	15300
153	15400
154	15500
155	15600
156	15700
157	15800
158	15900
159	16000



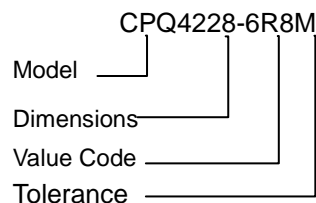
2 Electrical Characteristics

Part No.	Inductance (μH)※1 ±20%	D.C.R. (mΩ)		Isat (A)※2 Typical	Irms (A) ※3 Typical
		Typical	Max.		
CPQ4228-6R8M	6.80	2.80	2.95	75.0	34.0
CPQ4228-100M	10.0	2.80	2.95	60.0	34.0
CPQ4228-150M	15.0	2.80	2.95	47.0	34.0
CPQ4228-220M	22.0	2.80	2.95	35.4	34.0
CPQ4228-330M	33.0	2.80	2.95	24.7	34.0
CPQ4228-470M	47.0	2.80	2.95	17.6	34.0
CPQ4228-680M	68.0	2.80	2.95	12.2	34.0
CPQ4228-101M	100	2.80	2.95	7.80	34.0
CPQ4228-151M	150	2.80	2.95	4.96	34.0
CPQ4228-221M	220	10.5	11.5	7.20	17.5
CPQ4228-331M	330	10.5	11.5	5.20	17.5
CPQ4228-471M	470	10.5	11.5	3.60	17.5

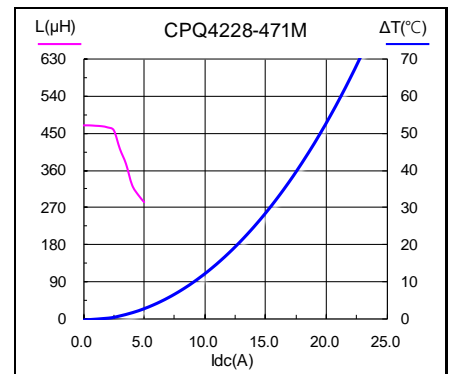
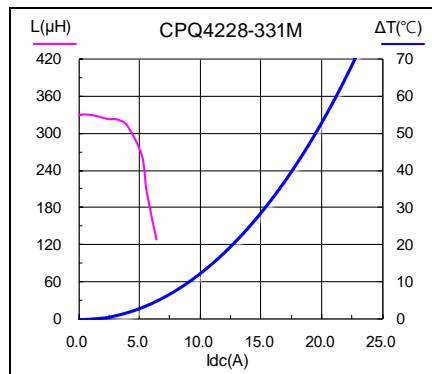
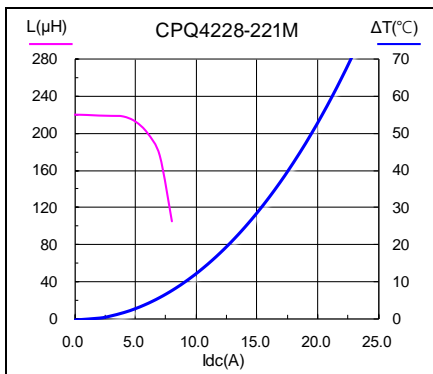
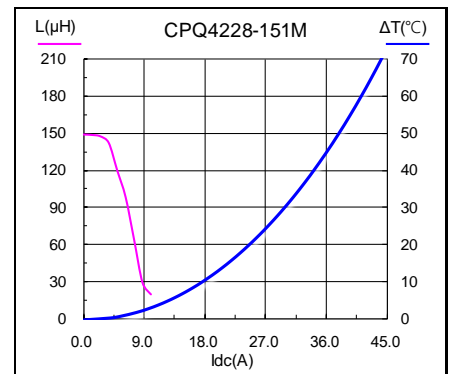
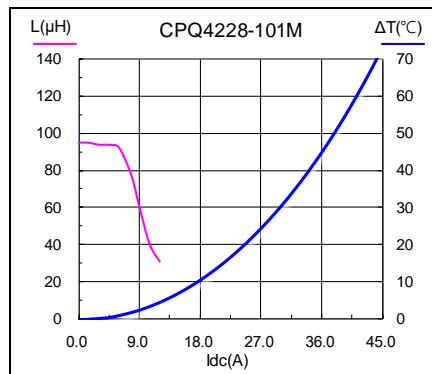
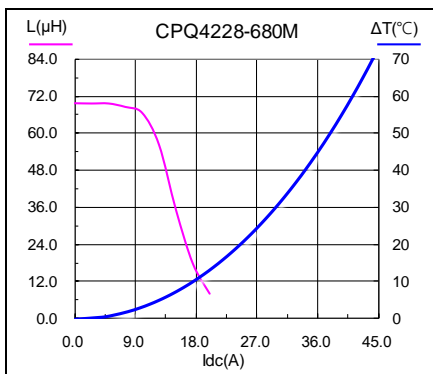
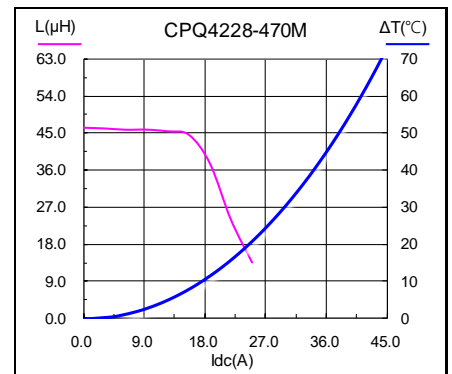
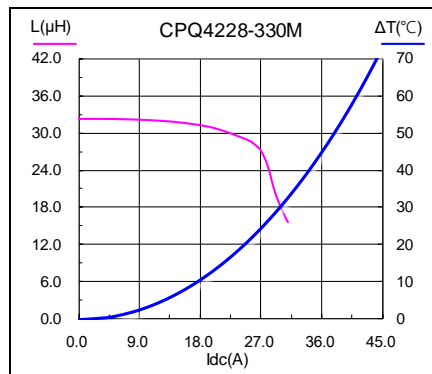
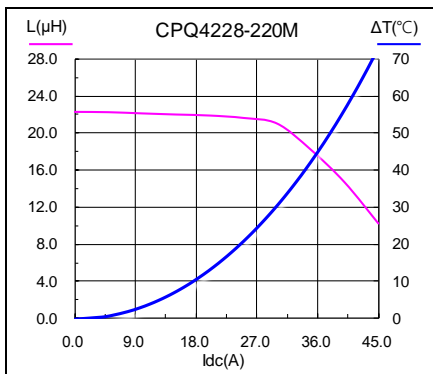
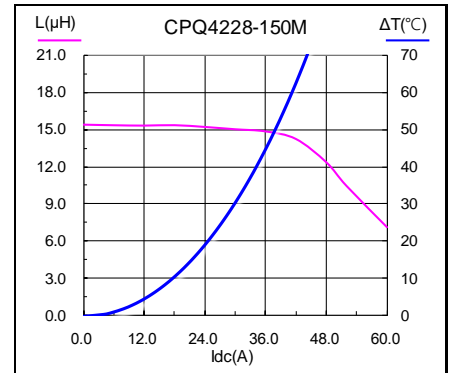
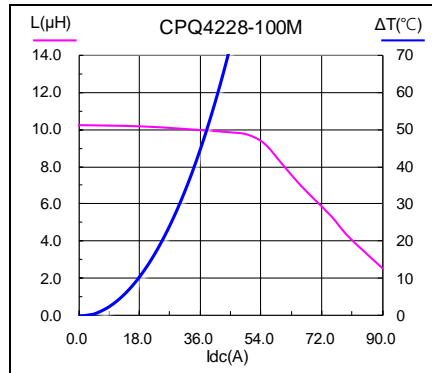
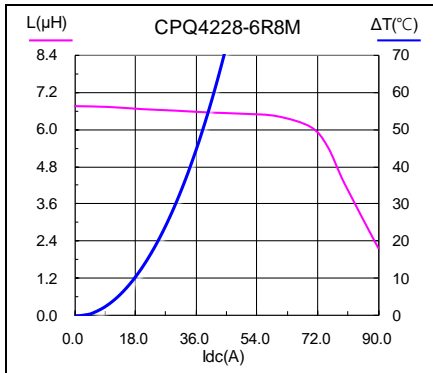
All data is tested on 25°C ambient temperature

1. Inductance measure condition at 100kHz, 0.1V
2. I_{sat} : the actual value of DC current when the Inductance decrease 20% of its initial Value
3. I_{rms} : The actual value of DC current when the Temperature rise is $\Delta T 40^{\circ}\text{C}$ ($T_a = 25^{\circ}\text{C}$)

3 How to Order

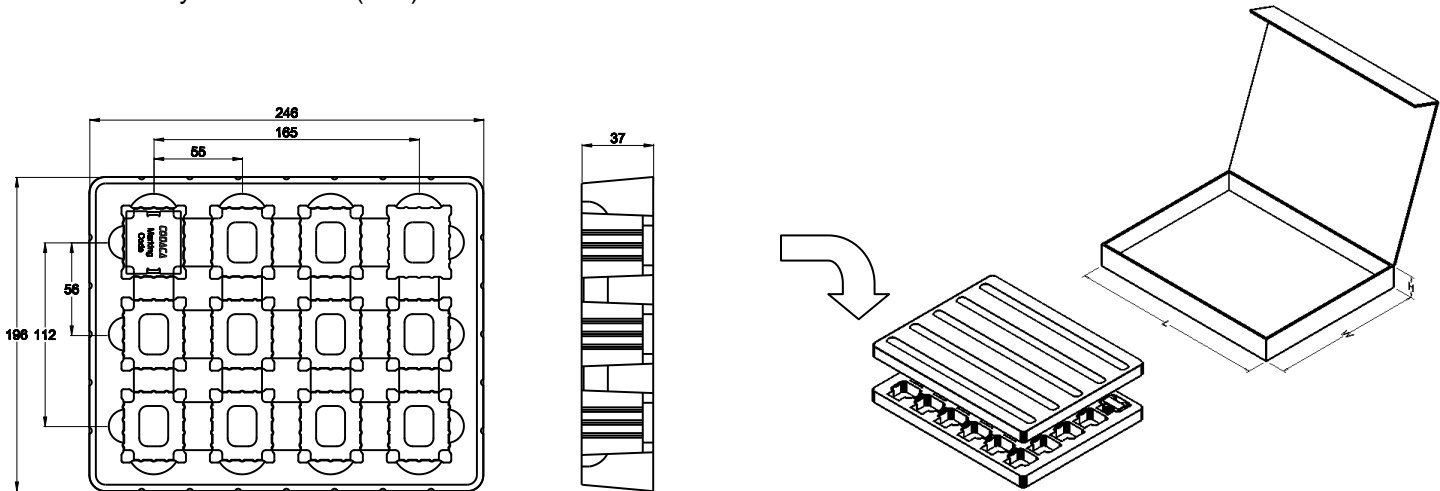


4 Saturation Current vs Temperature Rise Current Curve



5 Packing Specification

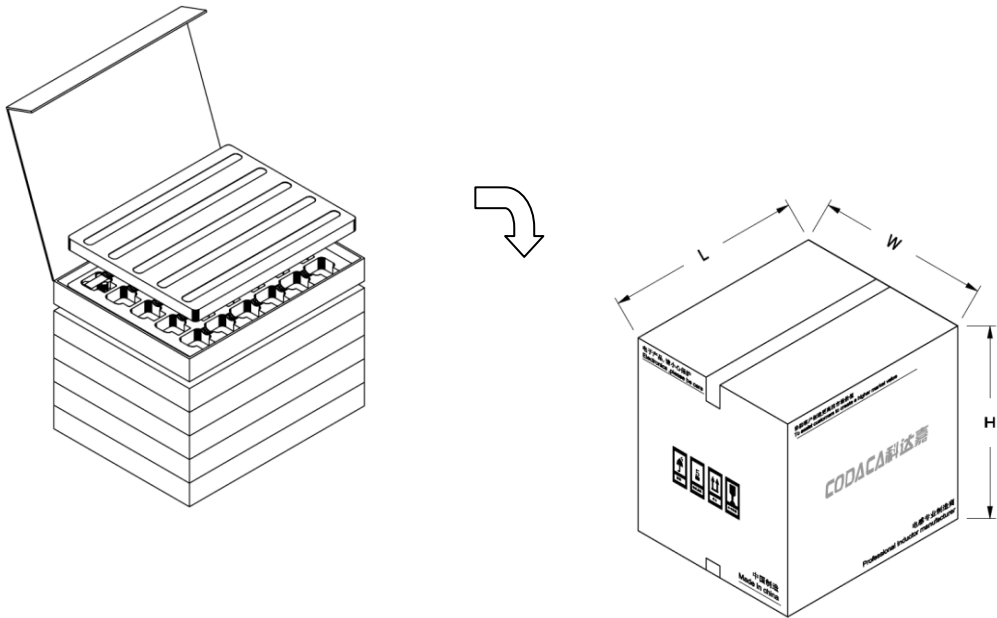
5.1 Plastic Tray Dimensions (mm)



Packaging Unit (Pcs)	Material
12	APET

L typ	W typ	H typ	No. of Tray (Pcs)	Packaging Unit(Pcs)	Material
265	205	40	1	12	Paper

5.2 Packing(mm)



L typ	W typ	H typ	No. of Inner Carton	Packaging Unit(Pcs)	Material
275	232	261	5	60	Paper

6 Notice of Use

- 6.1 Special remind:Circuit design, component placement, PCB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.
- 6.2 Product in packing storage condition:temperature 5~40°C, RH≤70%.
If taking out for use, the remaining products should be sealed in plastic bags and preserved in accordance with the above conditions, to avoid oxidation of terminals (electrodes), affecting soldering status.
- 6.3 A storage of Codaca Electronic products for longer than 12 months is not recommended, Within other effects, the terminals may suffer degradation, resulting in bad solderability. Therefore, all products shall be used within the period of 12 months based on the day of shipment.
- 6.4 Do not keep products in unsuitable storage conditions, such as areas susceptible to high temperatures, high humidity, dust or corrosion.
- 6.5 Always handle products with care.
- 6.6 Don't touch electrodes directly with bare hands as oil secretions may inhibit soldering.
Always ensure optimum conditions for soldering.
- 6.7 When this product will be used on a similar or new project to the original one,
sometimes it might be unable to satisfy the specifications due to different condition of usage.
- 6.8 This inductor itself does not have any protective function in abnormal condition, such as overload, short-circuit, open-circuit conditions, etc. Therefore, it shall be confirmed that there is no risk of smoke, fire, dielectric withstand voltage, insulation resistance, etc., or use in abnormal conditions protective devices or protection circuit in the end product.
- 6.9 Hi-Pot test with higher voltage than spec value will damage insulating material and shorten its life.
- 6.10 If using in potting compound, the magnet wire coating might be damaged, please consult with us.
- 6.11 Refrain from rinsing coils. If necessary, please consult with us.
- * 6.12 Codaca Electronic products without "V" prefix are qualified for industrial product requirement , and with "V" prefix are qualified for AEC-Q200, but it doesn't mean that Codaca Electronic products can absolutely meet specific industry norms and quality test standards in automotive electronics or more strict application fields . Codaca Electronic will be exempted from being responsible for the consequences of using Codaca products in automotive electronic or higher application field related to safety when without being aware of it.