

承 认 书

SPECIFICATION FOR APPROVAL

客 户 Customer:

产品名称 Project:

贴片电感

规格型号 Part No:

CD43-XXXM

贵公司承认印 Approval signatures

料 号/Part No.	签 章/Signatures

日期 Date:

拟制/Drawn	王宗华	
审核/Check	陈淼淼	
批准/Approved	张春华	

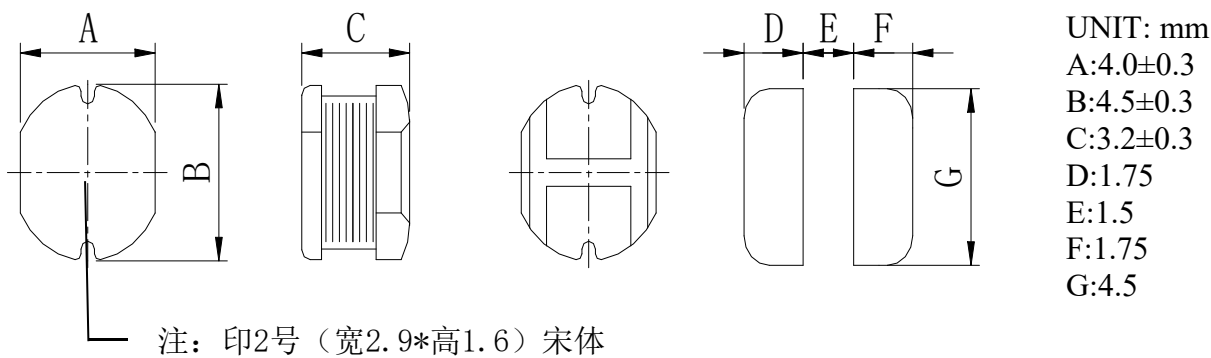
1.Features

- ①. High performance (Isat) realize by metal dust core.
- ②. Low profile: Thickness max.2.0~5.0mm.
- ③. Low loss and low resistance.
- ④. Capable of corresponding high frequency 1MHz~5MHz.
- ⑤ Ultra low buzz noise, due to composite construction.
- ⑥. The products contain no lead and also support lead-free soldering.

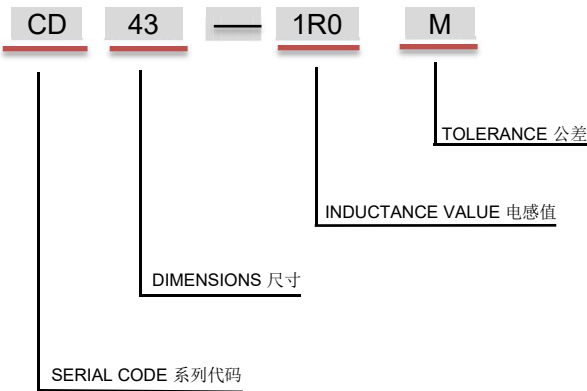
2.Applications area

Ideally used in NB/Desktop/server/Graphic card, LCD TV/Projector, etc as DC-DC Converter.

3. Externl Dimensions (unit: mm)



4. Product Code



Code 代码	Tolerance 公差
J	±5%
K	±10%
L	±15%
M	±20%
P	±25%
N	±30%

- 电感值Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)

5. Electrical Characteristics

CD43 type

PART No.	NOMINAL INDUCTANCE (μ H)	Test Freq. (kHz/v)	DCR (Ω)MAX	IDC (A)MAX
CD43-1R0M	1.0	100/0.25	20.00m	2.60
CD43-2R2M	2.2	100/0.25	42.00m	2.30
CD43-3R3M	3.3	100/0.25	51.00m	2.10
CD43-3R9M	3.9	100/0.25	72.80m	1.90
CD43-4R7M	4.7	100/0.25	76.00m	1.60
CD43-5R6M	5.6	100/0.25	83.00m	1.45
CD43-6R8M	6.8	100/0.25	100.00m	1.35
CD43-8R2M	8.2	100/0.25	120.00m	1.30
CD43-100M	10	100/0.25	150.00m	1.00
CD43-120M	12	100/0.25	155.00m	900m
CD43-150M	15	100/0.25	195.00m	800m
CD43-180M	18	100/0.25	230.00m	700m
CD43-220M	22	100/0.25	270.00m	600m
CD43-270M	27	100/0.25	310.00m	550m
CD43-330M	33	100/0.25	345.00m	500m
CD43-390M	39	100/0.25	400.00m	480m
CD43-470M	47	100/0.25	525.00m	400m
CD43-560M	56	100/0.25	595.00m	380m
CD43-680M	68	100/0.25	740.00m	330m
CD43-820M	82	100/0.25	880.00m	290m
CD43-101M	100	100/0.25	1.20	260m
CD43-121M	120	100/0.25	1.25	240m
CD43-151M	150	100/0.25	1.60	220m
CD43-181M	180	100/0.25	2.00	190m
CD43-221M	220	100/0.25	2.35	180m
CD43-271M	270	100/0.25	3.25	160m
CD43-331M	330	100/0.25	3.55	150m
CD43-391M	390	100/0.25	4.20	130m
CD43-471M	470	100/0.25	4.90	120m
CD43-561M	560	100/0.25	6.50	100m

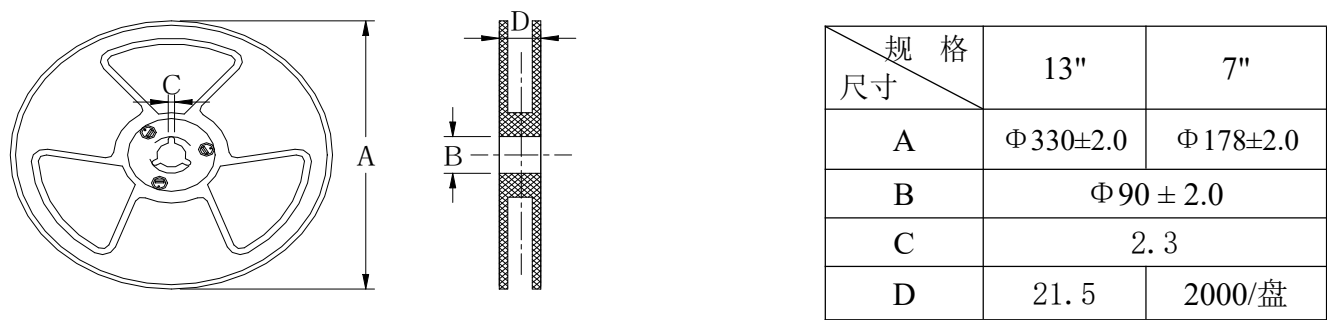
• Notes

1. All test data is referenced to 25 °C ambient
2. Operating temperature range - 55 °C to + 125 °C

3. Irms (A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C)
4. Isat(A):DC current (A) that will cause L0 to drop approximately 30 %
5. The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions.
Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- 6.Absolute maximum voltage 30VDC

6.Minimum Packaging and storage

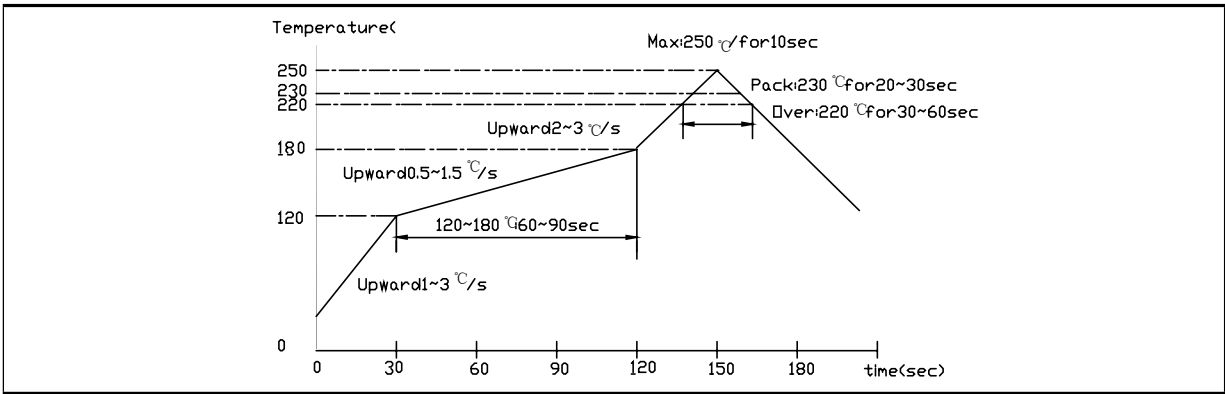
• 包装Packing



• Tape Carrier Packaging:

Type	Standard Quantity (pcs/reel)	Type	Standard Quantity (pcs/reel)
CD32	3000	CD73	1000
CD42	3000	CD75	1000
CD43	2000	CD77	600
CD53	2000	CD105	1000
CD54	1500	CD106	800

• Recommended reflow soldering curve



• Application Notice

- Storage ConditionsTo maintain the solderability of terminal electrodes:
1. Temperature and humidity conditions: Less than 30°C and 70% RH.
 2. Recommended products should be used within 6 months form the time of delivery.
 3. The packaging material should be kept where no chlorine or sulfur exists in the air.
- Transportation
1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils .
 2. The use of tweezers or vacuum pick up is strongly recommended for individual components. Bulk handling should ensure that abrasion and mechanical shock are minimized.