



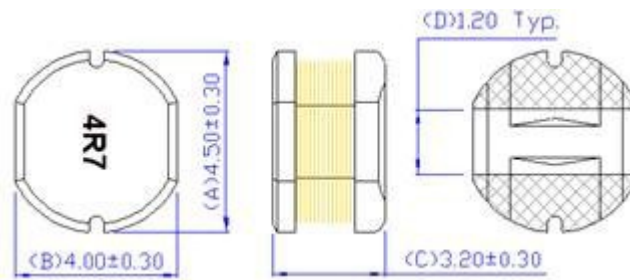
CD43 type

### Description

- Metalized drum core design utilizes board space
- Current Range up to 5.12 Amps
- Low profile 3.50mm Max (H).

### Applications

- Mainly used by power supply for VRT, OA equipment
- Digital camera, LCD television set notebook PC,
- part able communication equipments, DC/DC converters, etc.



### Environmental Data

### Mechanical Diagrams (Unit:mm)

- Storage temperature:  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Operating ambient temperature:  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  (Range is application specific).
- Temperature rise is approximately  $40^{\circ}\text{C}$  at rated Irms current.
- Solder reflow temperature:  $260^{\circ}\text{C}$  max. for 10 seconds max.
- Compliant with RoHS legislation and also support lead-free soldering

## Packaging

- Supplied in tape and reel packaging, 2,000 parts per reel (13” ).

Part No.	Inductance <sup>(1)</sup> (uH)	DC Resistance <sup>(2)</sup> (Ohms) Max	Isat <sup>(3)</sup> A dc) Max	Irms <sup>(4)</sup> (A dc) Max	Marking Code <sup>(5)</sup>
CD43-R82M	0.82±20%	0.016	5.12	3.86	R82
CD43-1R5M	1.5±20%	0.026	3.92	3.03	1R5
CD43-2R2M	2.2±20%	0.039	3.17	2.46	2R2
CD43-3R3M	3.3±20%	0.059	2.66	2.01	3R3
CD43-4R7M	4.7±20%	0.064	2.15	1.94	4R7
CD43-6R8M	6.8±20%	0.093	1.80	1.60	6R8
CD43-8R2M	8.2±20%	0.11	1.62	1.50	8R2
CD43-100K	10±10%	0.14	1.48	1.30	100
CD43-150K	15±10%	0.21	1.22	1.06	150
CD43-220K	22±10%	0.33	0.99	0.86	220
CD43-330K	33±10%	0.48	0.82	0.70	330
CD43-470K	47±10%	0.61	0.68	0.62	470
CD43-680K	68±10%	0.93	0.56	0.50	680
CD43-820K	82±10%	1.20	0.51	0.45	820
CD43-101K	100±10%	1.40	0.47	0.42	101
CD43-151K	150±10%	2.10	0.38	0.34	151
CD43-221K	220±10%	3.30	0.32	0.27	221
CD43-331K	330±10%	5.30	0.25	0.22	331
CD43-471K	470±10%	7.60	0.22	0.18	471
CD43-681K	680±10%	9.50	0.18	0.15	681
CD43-821K	820±10%	11.8	0.16	0.14	821

## Notes:

- 1) Open Circuit Inductance Test Parameters: 100kHz, 0.25Vrms, 0.0A dc, Test Equipment : HP4284A or WK3260B LCR Meter.
- 2) DCR limits @ 20° C. Test Equipment: CH502BC.
- 3) Isat current for an approximate 10% rolloff at 20° C
- 4) Irms current for for an approximate T of 40° C. It is recommended that the temperature of the part not exceed 125° C
- 5) The Marking Code.