

SCDS Series

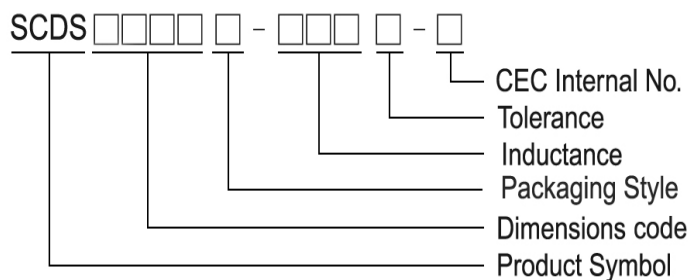
Feature

- RoHS compliant
- Available in magnetically shielded.
- Low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC – DC converter inductor applications.
- Available on tape and reel for auto surface mounting.

Applications

- Power supply for VTRs.
- OA equipment.
- LCD televisions.
- Notebook PCs.
- Portable communication equipment.
- DC / DC converters, etc.

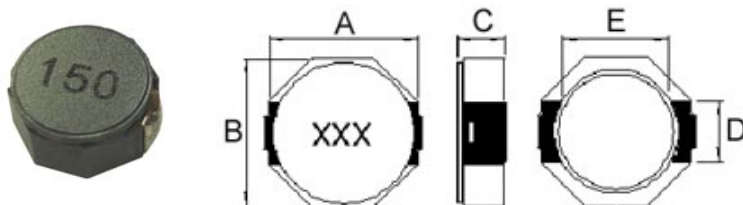
Product Identification



- T : Packaging: Tape and Reel
- CEC Internal No.: S: Base type terminals

SCDS 8D43

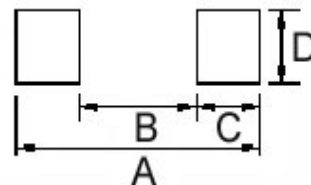
Shapes and Dimensions



Dimension in mm

TYPE	A	B	C	D	E
SCDS8D43	8.3 ⁺⁰	8.3 ⁺⁰	4.5 ⁺⁰	2.5	6.3

Recommended Pattern



Dimension in mm

TYPE	A	B	C	D
SCDS8D43	10.1	6.1	2.0	2.8

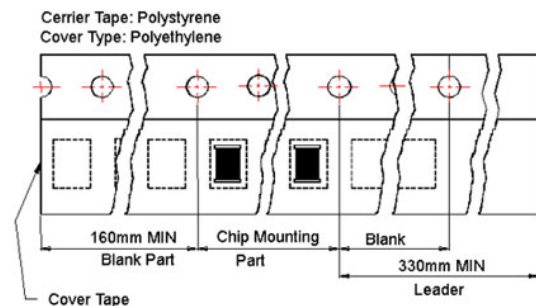
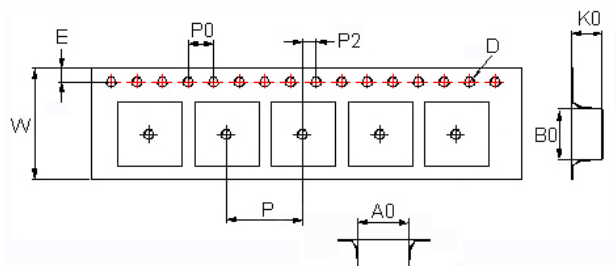
Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance (\pm %)	DC Resistance (m Ω) Max	Rated Current (A)
SCDS8D43T-3R3□-N	3.3	30	19	5.7
SCDS8D43T-100□-N	10	30	36	4.0
SCDS8D43T-220□-N	22	30	75	2.4
SCDS8D43T-470□-N	47	30	150	1.8
SCDS8D43T-680□-N	68	30	240	1.5

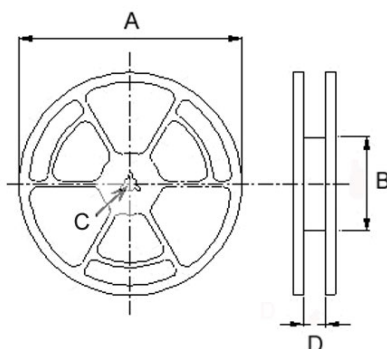
- When ordering, please specify tolerance and packaging codes.
- Inductance range : 3.3uH to 68uH.
- Inductance tested at 100KHz./1V
- Tolerance: M = $\pm 20\%$
- Rated current : The rate current indicates the current when the inductance decreases to 65% over of it's nominal value or D.C.current when the temperature rising $\Delta T=30^{\circ}\text{C}$ lower, whichever is lower.
- Test Instrument: L : HP4284A.
RDC : CHEN HWA 502BC
Rated current : HP4284+42841A

Packaging Specifications

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions									Reel Dimensions				Quantity PCS / REEL
	A0	B0	K0	D	E	W	P	P0	P2	A	B	C	D	
SCDS 8D43	8.4	9.9	4.8	1.55	1.75	24	12	4	2	330	100	13	24.4	1000