SCDS Series

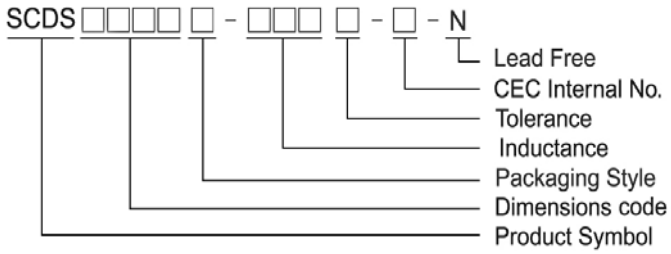
Features

- RoHS, Halogen Free and REACH Compliance
- Magnetic shielded
- Various package size and wide inductance range

Applications

- AP Routers
- STBs
- LCD TVs and monitors
- Game consoles
- LED lightings
- DC/DC converters

Product Identification

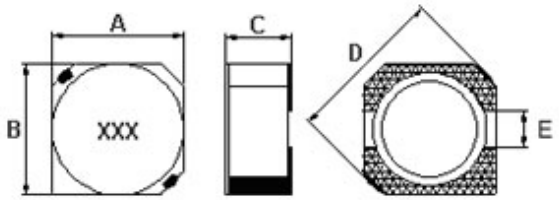


- T : Packaging: Tape and Reel
- CEC Internal No.: S: Base type terminals

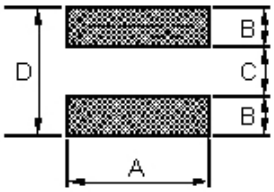
SCDS 3D16T-XXXX-S-N

Shape and Dimensions





Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D	E
SCDS3D16	4^{+0}	4^{+0}	1.8^{+0}	5.2^{+0}	1.0

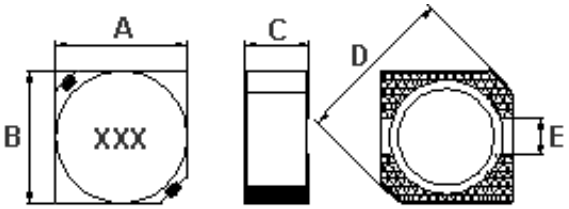
Dimension in mm

TYPE	A	B	C	D
SCDS3D16	4.6	1.6	1.4	4.6

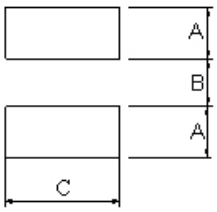
SCDS 4D18 ~ 6D38

Shape and Dimensions





Recommended Pattern



Dimension in mm

TYPE	A	B	C	D	E
SCDS4D18	4.7 ± 0.3	4.7 ± 0.3	2.0^{+0}	6.9^{+0}	1.5
SCDS4D28	4.7 ± 0.3	4.7 ± 0.3	3.0^{+0}	6.9^{+0}	1.5
SCDS4D40	4.7 ± 0.3	4.7 ± 0.3	4^{+0}	6.9^{+0}	1.5
SCDS5D18	5.7 ± 0.3	5.7 ± 0.3	2.0^{+0}	8.2^{+0}	2.0
SCDS5D28	5.7 ± 0.3	5.7 ± 0.3	3.0^{+0}	8.2^{+0}	2.0
SCDS6D28	6.7 ± 0.3	6.7 ± 0.3	3.0^{+0}	9.5^{+0}	2.0
SCDS6D38	7^{+0}	7^{+0}	4^{+0}	9.5^{+0}	2.0

Dimension in mm

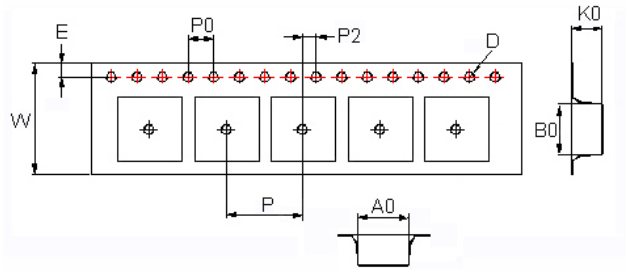
TYPE	A	B	C
SCDS4D18	1.9	1.5	5.3
SCDS4D28	1.9	1.5	5.3
SCDS4D40	1.9	1.5	5.3
SCDS5D18	2.15	2.0	6.3
SCDS5D28	2.15	2.0	6.3
SCDS6D28	2.65	2.0	7.3
SCDS6D38	2.65	2.0	7.3

Standard Specifications

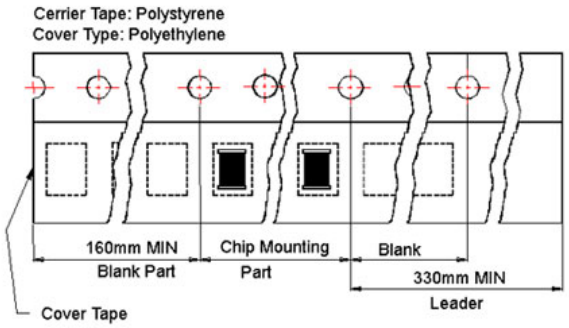
Stamp	Inductance (μH)	RDC (mΩ) Max								Rated Current (A)							
		SCDS 3D16	SCDS 4D18	SCDS 4D28	SCDS 4D40	SCDS 5D18	SCDS 5D28	SCDS 6D28	SCDS 6D38	SCDS 3D16	SCDS 4D18	SCDS 4D28	SCDS 4D40	SCDS 5D18	SCDS 5D28	SCDS 6D28	SCDS 6D38
1R0	1.0		45			38	15	24			1.72			2.80	3.50	3.50	
1R2	1.2			23.6								2.56					
1R5	1.5	52	60			38	15	19.5		1.55	1.50			2.50	3.00	3.40	
1R8	1.8		70	27.5							1.35	2.20					
2R0	2.0			29.0		45						2.10		2.50			
2R2	2.2	72	75	31.3	22	48	18		18	1.20	1.32	2.04	4.6	1.90	2.60		3.80
2R5	2.5						18								2.60		
2R6	2.6						22								2.40		
2R7	2.7		105	43.3					20		1.28	1.60					3.60
3R0	3.0						24	24							2.40	3.00	
3R3	3.3	85	110	49.2	33	56		25	20	1.10	1.04	1.57	3.4	1.90		3.00	3.50
3R6	3.6	90								0.95							
3R9	3.9		155	64.8				27			0.88	1.44				2.60	
4R1	4.1					57								1.95			
4R2	4.2						31								2.20		
4R3	4.3						41								2.5Typ		
4R7	4.7	105	162	72.0	44	76	38	31	22	0.90	0.84	1.32	2.8	1.60	1.90	2.40	3.10
5R0	5.0						38	31	24						1.90	2.40	2.90
5R3	5.3						38								1.90		
5R4	5.4					76								1.60			
5R6	5.6		170	100.9					27		0.80	1.17					2.50
6R0	6.0							35								2.25	
6R2	6.2					96	45	51	27					1.40	1.80	2.40	2.50
6R3	6.3		180								0.78						
6R8	6.8	170	200	108.9	46	100	50	50	31	0.73	0.76	1.12	2.6	1.35	1.65	2.15	2.30
7R3	7.3							54								2.10	
7R4	7.4								31								2.30
8R2	8.2		245	117.5			53				0.68	1.04			1.60		
8R6	8.6							58								1.85	
8R7	8.7								34								2.20
8R9	8.9					116								1.25			
100	10	210	280	128.3	150	124	65	65	38	0.55	0.61	1.00	1.8	1.20	1.30	1.70	2.00
120	12		320	131.6		153	76	70	53		0.56	0.84		1.10	1.20	1.55	1.70
150	15	295	360	149.0	210	196	103	84	57	0.45	0.50	0.76	1.6	0.97	1.10	1.40	1.60
180	18		400	166.0		210	110	95	92		0.48	0.72		0.85	1.00	1.32	1.50
220	22	430	480	235.0	270	290	122	128	96	0.40	0.41	0.70	1.4	0.80	0.90	1.20	1.30
270	27	620	570	261.0		330	175	142	109	0.35	0.35	0.58		0.75	0.85	1.05	1.20
330	33	675	694	331.3		386	189	165	124	0.32	0.32	0.56		0.65	0.75	0.97	1.10
390	39		800	383.7		520	212	210	138		0.30	0.50		0.57	0.70	0.86	1.00
470	47		950	587.0		595	250	238	150		0.28	0.48		0.54	0.62	0.80	0.95
560	56		1080	624.5		665	305	277	202		0.26	0.41		0.50	0.58	0.73	0.85
680	68	1700	1300	699.0		840	355	304	234	0.18	0.24	0.35		0.43	0.52	0.65	0.75
820	82			914.8		978	463	390	324			0.32		0.41	0.46	0.60	0.70
101	100		2000	1020		1200	520	535	358		0.20	0.29		0.36	0.42	0.54	0.65
121	120			1270								0.27					
151	150		2840	1350							0.15	0.24					
181	180			1540			1050					0.22			0.29		
221	220	5500		2000			1200			0.08		0.20			0.28		
331	330			3400			1700					0.19			0.19		
391	390			3560			1800					0.18			0.18		
471	470						2500								0.15		
561	560						3200		1800						0.12		0.22
681	680			5200								0.10					

Packaging Specifications

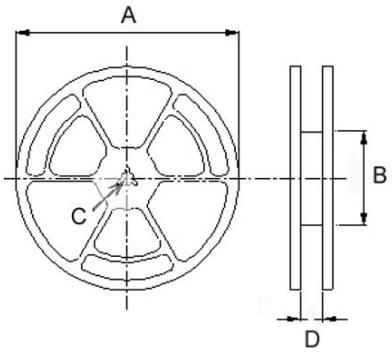
Tape Dimensions



Tape Material



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions									Reel Dimensions				Quantity
	A0	B0	K0	D	E	W	P	P0	P2	A	B	C	D	PCS / REEL
SCDS 3D16	4.1	4.1	2.0	1.5	1.75	12	8	4	2	178	60	13	13.2	1000
SCDS 4D18	5.3	5.3	2.4	1.5	1.75	12	8	4	2	330	100	13	13.4	2000
SCDS 4D28	5.3	5.3	3.4	1.5	1.75	12	8	4	2	330	100	13	13.4	2000
SCDS 4D40	5.35	5.35	4.1	1.55	1.75	12	8	4	2	330	100	13	13.4	1000
SCDS 5D18	6.2	6.2	2.2	1.55	1.75	16	12	4	2	330	100	13	13.4	1500
SCDS 5D28	6.2	6.2	3.1	1.55	1.75	16	12	4	2	330	100	13	17.4	1500
SCDS 6D28	7.25	7.25	3.35	1.55	1.75	16	12	4	2	330	100	13	17.4	1500
SCDS 6D38	7.1	7.1	4.1	1.55	1.75	16	12	4	2	330	100	13	17.4	1000