



创一科技
CYGE TECHNOLOGY

SMD Power Inductors
SCD Series

Product Survey 2022

匠心致远 追求卓越 感动人心！
Following ingenuity, pursuing excellence, touching hearts

SCD Series



IATF 16949:2016
CN18/31586



ISO 9001 SGS
CN18/31587



ISO 14001 SGS
CN18/31914



ISO 45001 SGS
CN18/31965



体系评定
AITTRE A001-IIIMS



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PartSazan Co.
WWW.IranMLS.IR
021 66 73 24 84

PHOTO



FEATURES

- ☐ 超薄，大电流 Low profile & High current.
- ☐ 适合表面贴装 SMT type.

APPLICATIONS

- ☐ 移动通讯，笔记本电脑；
Portable communication equipment,
Notebook Computer
- ☐ LED电视 LED Television
- ☐ DC/DC转换 DC/DC Converters.

PART NUMBER

SCD 43  - 100 M S

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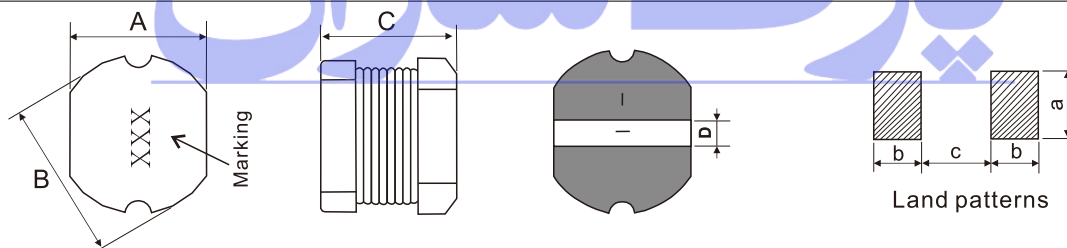
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产品代号 Product Code		规格尺寸(L×W×H) Dimensions(mm)		材质代号 Material Code		感量(μH) Inductance		误差(%) Tolerance		应用领域 application area	
SCD	SCD 系列 SCD Series	32	3.5x3.0x2.1	无	镍锌 NiZn	1R0	1.0	K	10	C	车载品 (125℃) For automotive
		43	4.5x4.0x3.2	M	锰锌 MnZn	100	10	L	15	CA	车载品 (155℃) For automotive
		54	5.8x5.2x4.5			101	100	M	20	T	特规品 For special
						102	1000	N	30	S	标准品 For standards
										P	策略品 For strategy

CONFIGURATIONS&DIMENSIONS



Unit:mm

SERIES	A	B	C	D	a	b	c
SCD32	3.5±0.3	3.0±0.3	2.1±0.3	1.2Typ	3.5Typ	1.6Typ	0.8Typ
SCD43	4.5±0.3	4.0±0.3	3.2±0.3	1.5Typ	4.0Typ	2.1Typ	1.0Typ
SCD53	5.8±0.3	5.2±0.3	3.0±0.3	2.0Typ	5.8Typ	2.15Typ	1.7Typ
SCD54	5.8±0.3	5.2±0.3	5.0Max	2.0Typ	5.8Typ	2.15Typ	1.7Typ
SCD75	7.8±0.3	7.0±0.3	5.5Max	2.6Typ	8.0Typ	3.3Typ	1.4Typ
SCD76	7.8±0.3	7.0±0.3	6.75Max	2.5Typ	8.0Typ	3.3Typ	1.4Typ
SCD77	7.8±0.3	7.0±0.3	7.2Max	2.5Typ	8.0Typ	3.3Typ	1.4Typ
SCD105	10±0.3	9.0±0.3	5.9Max	3.0Typ	9.50Typ	3.75Typ	2.54Typ



SCD32 SERIES

规格型号 Part No.	感量 Ls(μH)	公差 Tolerance(±%)	测试频率 Test Frequency	直流电阻 RDC(Ω)Max	额定电流 IDC(A)	
					Max	Typ
SCD32-1R0□S	1.0	20, 30	100KHz/1V	0.450	3.35	4.00
SCD32-1R5□S	1.5	20, 30	100KHz/1V	0.050	2.80	3.50
SCD32-2R2MS	2.2	20	100KHz/1V	0.085	2.00	2.80
SCD32-3R3MS	3.3	20	100KHz/1V	0.100	1.85	2.20
SCD32-3R9MS	3.9	20	100KHz/1V	0.130	1.65	2.00
SCD32-4R7MS	4.7	20	100KHz/1V	0.150	1.50	1.80
SCD32-5R6MS	5.6	20	100KHz/1V	0.220	1.30	1.60
SCD32-6R8MS	6.8	20	100KHz/1V	0.250	1.20	1.45
SCD32-8R2MS	8.2	20	100KHz/1V	0.280	1.00	1.30
SCD32-100MS	10	20	100KHz/1V	0.320	0.95	1.15
SCD32-150MS	15	20	100KHz/1V	0.650	0.75	0.90
SCD32-220MS	22	20	100KHz/1V	0.680	0.65	0.80
SCD32-330MS	33	20	100KHz/1V	0.950	0.55	0.60
SCD32-390MS	39	20	100KHz/1V	1.350	0.50	0.55
SCD32-470MS	47	20	100KHz/1V	1.600	0.40	0.45
SCD32-560MS	56	20	100KHz/1V	2.050	0.35	0.40
SCD32-680MS	68	20	100KHz/1V	2.250	0.30	0.35
SCD32-820MS	82	20	100KHz/1V	2.350	0.28	0.32
SCD32-101□S	100	10, 30	100KHz/1V	2.520	0.25	0.30

SCD43 SERIES

规格型号 Part No.	感量 Ls(μH)	公差 Tolerance(±%)	测试频率 Test Frequency	直流电阻 RDC(Ω)Max	额定电流 IDC(A)	
					Max	Typ
SCD43-1R0MS	1.0	20	100KHz/1V	0.033	4.50	6.00
SCD43-1R5MS	1.5	20	100KHz/1V	0.038	4.00	5.00
SCD43-2R2MS	2.2	20	100KHz/1V	0.047	3.50	4.50
SCD43-3R3MS	3.3	20	100KHz/1V	0.058	2.15	3.50
SCD43-4R7MS	4.7	20	100KHz/1V	0.094	1.90	3.20
SCD43-5R6MS	5.6	20	100KHz/1V	0.101	1.80	2.50
SCD43-6R8MS	6.8	20	100KHz/1V	0.117	1.70	2.30
SCD43-8R2MS	8.2	20	100KHz/1V	0.132	1.60	2.10
SCD43-100MS	10	20	100KHz/1V	0.182	1.50	2.00
SCD43-120MS	12	20	100KHz/1V	0.210	1.35	1.85
SCD43-150MS	15	20	100KHz/1V	0.235	1.20	1.70
SCD43-180MS	18	20	100KHz/1V	0.338	1.05	1.55
SCD43-220MS	22	20	100KHz/1V	0.378	0.90	1.50
SCD43-270MS	27	20	100KHz/1V	0.522	0.80	1.35
SCD43-330MS	33	20	100KHz/1V	0.540	0.75	1.20
SCD43-390MS	39	20	100KHz/1V	0.700	0.70	1.15
SCD43-470MS	47	20	100KHz/1V	0.844	0.62	1.05
SCD43-560MS	56	20	100KHz/1V	0.937	0.60	0.95
SCD43-680MS	68	20	100KHz/1V	1.117	0.58	0.80
SCD43-820MS	82	20	100KHz/1V	1.550	0.55	0.75
SCD43-101□S	100	10,20	100KHz/1V	2.000	0.53	0.70
SCD43-121□S	120	10,20	100KHz/1V	2.500	0.50	0.60
SCD43-151□S	150	10,20	100KHz/1V	2.800	0.48	0.55
SCD43-181□S	180	10,20	100KHz/1V	3.200	0.43	0.50
SCD43-221□S	220	10,20	100KHz/1V	4.000	0.30	0.40
SCD43-331□S	330	10,20	100KHz/1V	5.850	0.25	0.30
SCD43-471□S	470	10,20	100KHz/1V	6.000	0.20	0.23
SCD43-681□S	680	10,20	100KHz/1V	7.500	0.15	0.18

SCD53 SERIES

规格型号 Part No.	感量 Ls(μH)	公差 Tolerance(±%)	测试频率 Test Frequency	直流电阻 RDC(Ω)Max	额定电流 IDC(A)	
					Max	Typ
SCD53-1R0□S	1.0	20,30	100KHz/1V	0.030	5.00	7.00
SCD53-1R5□S	1.5	20	100KHz/1V	0.030	4.50	6.00
SCD53-2R2MS	2.2	20	100KHz/1V	0.035	3.50	5.00
SCD53-3R3MS	3.3	20	100KHz/1V	0.050	2.80	4.50
SCD53-4R7MS	4.7	20	100KHz/1V	0.070	2.50	4.20
SCD53-5R6MS	5.6	20	100KHz/1V	0.080	2.40	4.00
SCD53-6R8MS	6.8	20	100KHz/1V	0.090	2.20	3.80
SCD53-8R2MS	8.2	20	100KHz/1V	0.100	2.00	3.50
SCD53-100MS	10	20	100KHz/1V	0.120	1.80	3.00
SCD53-150MS	15	20	100KHz/1V	0.150	1.50	2.50
SCD53-180MS	18	20	100KHz/1V	0.220	1.40	2.00
SCD53-220MS	22	20	100KHz/1V	0.230	1.20	1.60
SCD53-270MS	27	20	100KHz/1V	0.260	1.10	1.50
SCD53-330MS	33	20	100KHz/1V	0.330	1.00	1.40
SCD53-390MS	39	20	100KHz/1V	0.420	0.95	1.35
SCD53-470MS	47	20	100KHz/1V	0.500	0.85	1.10
SCD53-560MS	56	20	100KHz/1V	0.550	0.80	1.05
SCD53-680MS	68	20	100KHz/1V	0.650	0.70	0.90
SCD53-820MS	82	20	100KHz/1V	0.800	0.65	0.85
SCD53-101□S	100	10,20	100KHz/1V	0.900	0.60	0.80
SCD53-121□S	120	10,20	100KHz/1V	1.000	0.58	0.75
SCD53-151□S	150	10,20	100KHz/1V	1.300	0.43	0.65
SCD53-181□S	180	10,20	100KHz/1V	1.500	0.41	0.60
SCD53-221□S	220	10,20	100KHz/1V	2.200	0.38	0.50
SCD53-271□S	270	10,20	100KHz/1V	2.500	0.35	0.45
SCD53-331□S	330	10,20	100KHz/1V	3.200	0.28	0.40
SCD53-471□S	470	10,20	100KHz/1V	5.000	0.22	0.35
SCD53-561□S	560	10,20	100KHz/1V	6.500	0.19	0.32
SCD53-681□S	680	10,20	100KHz/1V	7.500	0.18	0.30
SCD53-821□S	820	10,20	100KHz/1V	8.000	0.15	0.28
SCD53-102KS	1000	10	100KHz/1V	8.500	0.13	0.25

SCD54 SERIES

规格型号 Part No.	感量 Ls(μH)	公差 Tolerance(±%)	测试频率 Test Frequency	直流电阻 RDC(Ω)Max	额定电流 IDC(A)	
					Max	Typ
SCD54-1R5□S	1.5	20,30	100KHz/1V	0.020	4.65	7.00
SCD54-2R2MS	2.2	20	100KHz/1V	0.025	4.20	5.50
SCD54-3R3MS	3.3	20	100KHz/1V	0.035	3.20	4.50
SCD54-4R7MS	4.7	20	100KHz/1V	0.037	3.10	4.20
SCD54-5R6MS	5.6	20	100KHz/1V	0.050	2.40	3.60
SCD54-6R8MS	6.8	20	100KHz/1V	0.057	2.30	3.20
SCD54-100MS	10	20	100KHz/1V	0.100	1.80	2.80
SCD54-150MS	15	20	100KHz/1V	0.140	1.30	2.30
SCD54-180MS	18	20	100KHz/1V	0.170	1.25	2.10
SCD54-220MS	22	20	100KHz/1V	0.180	1.20	1.85
SCD54-270MS	27	20	100KHz/1V	0.220	1.15	1.60
SCD54-330MS	33	20	100KHz/1V	0.260	1.00	1.40
SCD54-470MS	47	20	100KHz/1V	0.350	0.85	1.20
SCD54-680MS	68	20	100KHz/1V	0.500	0.70	1.00
SCD54-101□S	100	10,20	100KHz/1V	0.750	0.65	0.85
SCD54-151□S	150	10,20	100KHz/1V	1.250	0.60	0.75
SCD54-221□S	220	10,20	100KHz/1V	1.570	0.35	0.58
SCD54-331□S	330	10,20	100KHz/1V	2.500	0.30	0.50
SCD54-471□S	470	10,20	100KHz/1V	3.500	0.28	0.45
SCD54-681□S	680	10,20	100KHz/1V	5.500	0.25	0.38
SCD54-102KS	1000	10	100KHz/1V	6.500	0.23	0.32
SCD54-122KS	1200	10	100KHz/1V	9.000	0.21	0.26
SCD54-152KS	1500	10	100KHz/1V	9.500	0.20	0.25
SCD54-182KS	1800	10	100KHz/1V	13.00	0.17	0.22
SCD54-202KS	2000	10	100KHz/1V	14.00	0.16	0.21
SCD54-222KS	2200	10	100KHz/1V	15.00	0.15	0.20
SCD54-252KS	2500	10	100KHz/1V	17.00	0.14	0.17
SCD54-302KS	3000	10	100KHz/1V	21.50	0.12	0.14
SCD54-332KS	3300	10	100KHz/1V	22.90	0.10	0.13



SCD75 SERIES

规格型号 Part No.	感量 Ls(μH)	公差 Tolerance(±%)	测试频率 Test Frequency	直流电阻 RDC(Ω)Max	额定电流 IDC(A)	
					Max	Typ
SCD75-1R0□S	1.0	20,30	100KHz/1V	0.018	6.50	10.05
SCD75-2R2MS	2.2	20	100KHz/1V	0.03	5.00	10.00
SCD75-3R3MS	3.3	20	100KHz/1V	0.04	4.60	9.00
SCD75-4R7MS	4.7	20	100KHz/1V	0.05	4.20	8.00
SCD75-6R8MS	6.8	20	100KHz/1V	0.06	3.40	6.00
SCD75-100MS	10	20	100KHz/1V	0.07	2.30	5.00
SCD75-150MS	15	20	100KHz/1V	0.09	1.80	4.00
SCD75-220MS	22	20	100KHz/1V	0.11	1.50	2.80
SCD75-330MS	33	20	100KHz/1V	0.13	1.20	2.50
SCD75-470MS	47	20	100KHz/1V	0.18	1.00	1.50
SCD75-680MS	68	20	100KHz/1V	0.35	0.85	1.25
SCD75-101□S	100	10,20	100KHz/1V	0.43	0.72	0.90
SCD75-151□S	150	10,20	100KHz/1V	0.64	0.58	0.70
SCD75-221□S	220	10,20	100KHz/1V	0.96	0.49	0.65
SCD75-331□S	330	10,20	100KHz/1V	1.50	0.45	0.58
SCD75-471□S	470	10,20	100KHz/1V	2.00	0.41	0.55
SCD75-681□S	680	10,20	100KHz/1V	3.00	0.40	0.50
SCD75-102KS	1000	10	100KHz/1V	4.50	0.37	0.45
SCD75-122KS	1200	10	100KHz/1V	5.72	0.33	0.42
SCD75-152KS	1500	10	100KHz/1V	7.20	0.32	0.40
SCD75-182KS	1800	10	100KHz/1V	7.50	0.30	0.35
SCD75-202KS	2000	10	100KHz/1V	8.60	0.26	0.32
SCD75-222KS	2200	10	100KHz/1V	9.20	0.25	0.31
SCD75-252KS	2500	10	100KHz/1V	12.00	0.23	0.30
SCD75-302KS	3000	10	100KHz/1V	14.20	0.22	0.27
SCD75-422KS	4200	10	100KHz/1V	18.50	0.18	0.25
SCD75-502KS	5000	10	100KHz/1V	22.70	0.15	0.22
SCD75-652KS	6500	10	100KHz/1V	29.00	0.13	0.18
SCD75-802KS	8000	10	100KHz/1V	37.30	0.11	0.15

SCD77 SERIES

规格型号 Part No.	感量 Ls(μH)	公差 Tolerance(±%)	测试频率 Test Frequency	直流电阻 RDC(Ω)Max	额定电流 IDC(A)	
					Max	Typ
SCD77-101□S	100	10,20	100KHz/1V	0.55	1.50	1.75
SCD77-151□S	150	10,20	100KHz/1V	0.85	1.25	1.50
SCD77-221□S	220	10,20	100KHz/1V	1.45	1.15	1.40
SCD77-331□S	330	10,20	100KHz/1V	1.85	0.90	1.15
SCD77-471□S	470	10,20	100KHz/1V	2.55	0.75	0.95
SCD77-681□S	680	10,20	100KHz/1V	3.05	0.65	0.80
SCD77-102KS	1000	10	100KHz/1V	4.00	0.55	0.70
SCD77-122KS	1200	10	100KHz/1V	4.60	0.50	0.60
SCD77-152KS	1500	10	100KHz/1V	5.50	0.45	0.55
SCD77-182KS	1800	10	100KHz/1V	7.00	0.43	0.52
SCD77-202KS	2000	10	100KHz/1V	8.25	0.40	0.45
SCD77-222KS	2200	10	100KHz/1V	8.50	0.37	0.40
SCD77-262KS	2600	10	100KHz/1V	9.50	0.32	0.38
SCD77-302KS	3000	10	100KHz/1V	12.0	0.30	0.35
SCD77-332KS	3300	10	100KHz/1V	12.5	0.29	0.33
SCD77-382KS	3800	10	100KHz/1V	14.5	0.25	0.31
SCD77-452KS	4500	10	100KHz/1V	17.5	0.24	0.30
SCD77-472KS	4700	10	100KHz/1V	19.5	0.22	0.27
SCD77-502KS	5000	10	100KHz/1V	20.5	0.20	0.25

SCD76 SERIES

规格型号 Part No.	感量 Ls(μH)	公差 Tolerance(±%)	测试频率 Test Frequency	直流电阻 RDC(Ω)Max	额定电流 IDC(A)	
					Max	Typ
SCD76-101□S	100	10,20	100KHz/1V	0.95	1.450	1.65
SCD76-151□S	150	10,20	100KHz/1V	1.15	1.230	1.45
SCD76-221□S	220	10,20	100KHz/1V	1.55	1.050	1.35
SCD76-331□S	330	10,20	100KHz/1V	2.00	0.780	1.05
SCD76-391□S	390	10,20	100KHz/1V	2.50	0.700	0.90
SCD76-471□S	470	10,20	100KHz/1V	2.85	0.610	0.80
SCD76-681□S	680	10,20	100KHz/1V	3.50	0.560	0.75
SCD76-821□S	820	10,20	100KHz/1V	3.90	0.540	0.70
SCD76-102KS	1000	10	100KHz/1V	4.00	0.520	0.60
SCD76-122KS	1200	10	100KHz/1V	5.00	0.450	0.55
SCD76-152KS	1500	10	100KHz/1V	6.00	0.430	0.48
SCD76-182KS	1800	10	100KHz/1V	6.50	0.400	0.50
SCD76-202KS	2000	10	100KHz/1V	8.20	0.360	0.42
SCD76-222KS	2200	10	100KHz/1V	9.50	0.320	0.38
SCD76-252KS	2500	10	100KHz/1V	10.2	0.270	0.36
SCD76-302KS	3000	10	100KHz/1V	11.5	0.250	0.35
SCD76-332KS	3300	10	100KHz/1V	16.5	0.230	0.34
SCD76-402KS	4000	10	100KHz/1V	17.3	0.190	0.33
SCD76-452KS	4500	10	100KHz/1V	18.0	0.170	0.32
SCD76-472KS	4700	10	100KHz/1V	21.0	0.165	0.31
SCD76-502KS	5000	10	100KHz/1V	22.0	0.160	0.30

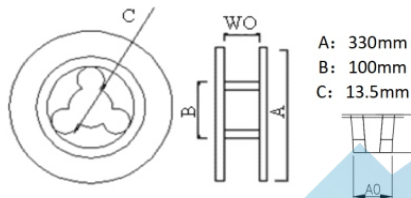
SCD105 SERIES

规格型号 Part No.	感量 Ls(μH)	公差 Tolerance(±%)	测试频率 Test Frequency	直流电阻 RDC(Ω)Max	额定电流 IDC(A)	
					Max	Typ
SCD105-100MS	10	20	100KHz/1V	0.045	4.00	5.50
SCD105-150MS	15	20	100KHz/1V	0.08	2.90	4.30
SCD105-180MS	18	20	100KHz/1V	0.09	2.65	4.00
SCD105-220MS	22	20	100KHz/1V	0.10	2.50	3.50
SCD105-330MS	33	20	100KHz/1V	0.15	2.00	2.60
SCD105-470MS	47	20	100KHz/1V	0.17	1.70	2.20
SCD105-680MS	68	20	100KHz/1V	0.25	1.32	1.75
SCD105-101□S	100	10,20	100KHz/1V	0.33	1.05	1.50
SCD105-151□S	150	10,20	100KHz/1V	0.45	0.95	1.30
SCD105-221□S	220	10,20	100KHz/1V	0.70	0.75	1.20
SCD105-331□S	330	10,20	100KHz/1V	1.10	0.60	0.90
SCD105-471□S	470	10,20	100KHz/1V	1.45	0.55	0.75
SCD105-561□S	560	10,20	100KHz/1V	1.55	0.50	0.70
SCD105-681□S	680	10,20	100KHz/1V	1.65	0.48	0.65
SCD105-701□S	700	10,20	100KHz/1V	1.80	0.45	0.60
SCD105-801□S	800	10,20	100KHz/1V	2.50	0.43	0.55
SCD105-102KS	1000	10	100KHz/1V	2.80	0.42	0.50
SCD105-122KS	1200	10	100KHz/1V	3.40	0.39	0.45
SCD105-152KS	1500	10	100KHz/1V	4.50	0.30	0.35
SCD105-202KS	2000	10	100KHz/1V	6.50	0.25	0.32
SCD105-302KS	3000	10	100KHz/1V	7.80	0.23	0.28
SCD105-402KS	4000	10	100KHz/1V	11.50	0.20	0.25
SCD105-472KS	4700	10	100KHz/1V	13.50	0.18	0.23

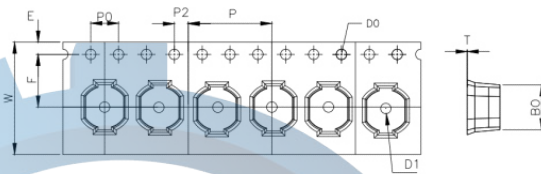


包装材料及规格 Packaging materials and specifications:

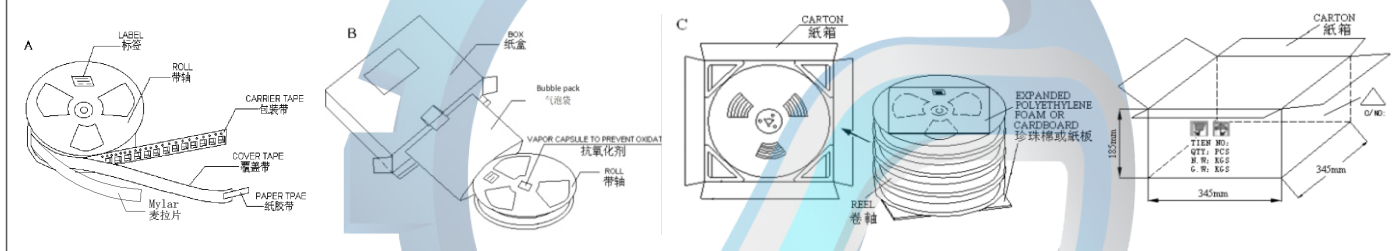
卷轴尺寸图 Scroll size:



包装带尺寸图 Tape size:



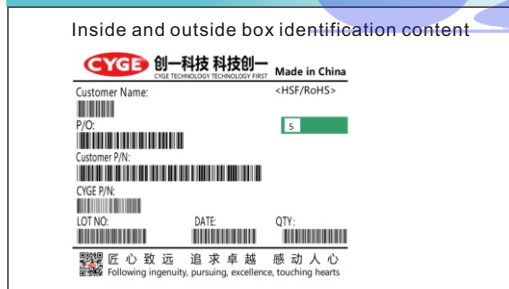
包装方式及数量 The packing way and quantity



包装带型号 Tape Type	卷轴尺寸 REEL size (单位 Unit : mm)		包装带尺寸 Tape size (单位 Unit : mm)											
	Q'TY	W0	W	P	E	F	D0/D1	P0	P2	T	AO	BO	KO	
	(PCS)	±0.3	±0.3	±0.1	±0.1	±0.1	+0.1 -0.00	±0.1	±0.1	±0.05	±0.1	±0.1	±0.1	
SCD32	3000	12.8	12	8	1.75	5.5	1.5	4	2	0.3	3.25	3.6	2.4	
SCD43	2000	12.8	12	8	1.75	5.5	1.5	4	2	0.3	4.1	5.1	3.7	
SCD53	2000	16.8	16	8	1.75	7.5	1.5	4	2	0.35	5.25	6.35	3.35	
SCD54	1500	12.8	12	8	1.75	5.5	1.5	4	2	0.4	5.35	6.4	5.0	
SCD75	1000	16.8	16	12	1.75	7.5	1.5	4	2	0.4	7.25	8.85	5.3	
SCD76	800	16.8	16	12	1.75	7.5	1.5	4	2	0.4	7.20	8.95	7.10	
SCD77	800	16.8	16	12	1.75	7.5	1.5	4	2	0.4	7.20	8.95	7.10	
SCD105	1000	24.8	24	12	1.75	11.5	1.5	4	2	0.5	9.20	10.87	5.87	

项目 ITEM	卷轴 SCROLL	内箱 INNER CARTON	外箱 OUTER CARTON
	330*100*12mm 330*100*16mm 330*100*24mm	345*343*80mm	358*356*187mm
SCD32	3000 PCS/REEL	12000 PCS/Box	24000 PCS/Box
SCD43	2000 PCS/REEL	8000 PCS/Box	16000 PCS/Box
SCD53	2000 PCS/REEL	6000 PCS/Box	12000 PCS/Box
SCD54	1500 PCS/REEL	6000 PCS/Box	12000 PCS/Box
SCD75	1000 PCS/REEL	3000 PCS/Box	9000 PCS/Box
SCD76	800 PCS/REEL	2400 PCS/Box	4800 PCS/Box
SCD77	800 PCS/REEL	2400 PCS/Box	4800 PCS/Box
SCD105	1000PCS/REEL	2000 PCS/Box	4000 PCS/Box

内外箱标识内容



素材清单 Material List

No.	项目 ITEM	材料 Materials
1	磁芯 Core	创一镍锌磁芯 CYGE NiZn Core
2	线圈 Wire	漆包线 180度高温线
3	电极面 Electrode Side	银/镍/锡 Ag/Ni/Sn

注意 Remark :

- 所有的测试数据是在18-25℃的环境温度下测试。
All test data is referenced to 18-25℃ ambient.
- 在100KHz/1V下使用WK6500B LCR表或等效仪器测试电感。
Inductance tested at 100KHz/1V with WK6500B LCR Meter or equivalent.
- 额定电流: 在该电流下, 电感值相比无叠加电流时的值下降10%, 或从常温环境温度开始升高到 ($\Delta T=40^{\circ}\text{C}$) 的直流电流。
IDC: DC current at which the inductance drops 10% from its value without current or causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from room temperature.
- 工作温度范围: $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$ (包括线圈自身温升);
Operating temperature rang: $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$ (including coil's self temperature rise);