

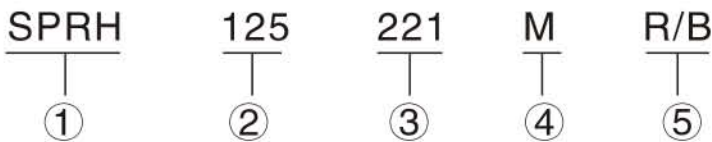
特性及应用

- 使用载带包装运用于SMT。
- 耐大电流，低直流，方形；宽度: 6.2mm~12mm, 高度:3.0mm~8.0mm。
- 磁性屏蔽结构。
- 适用于回流焊SMT工艺。
- 无铅产品，符合RoHS指令。
- 广泛应用于升降压转换器，便携式摄录机，液晶显示，笔记本电脑，网络通信，便携式通讯设备电源等。

FEATURES/APPLICATIONS

- Carrier tape packing use for SMT.
- High rated current & Low DCR , Quadrate; Width:6.2mm~12mm, Height:3.0mm~8.0mm.
- Magnetically shielded construction.
- Suitable for reflow SMT craft soldering.
- Lead free products, RoHS compliant.
- Widely use in DC-DC converter/Portable camera/LCD Monitor/Notebook/Network telecommunications /Power supply for portable communication equipment etc.

产品标示



- ① 产品类型: SPRH型。
- ② 外观尺寸: 方形, 12表示宽12.0mm, 5表示高5.0mm。
- ③ 电气特性表示: 221表示220 μ H。
- ④ 允许公差: M表示20%, N表示 $\pm 30\%$ 。
- ⑤ 包装方式: R表示载带盘装; B表示袋装。

PRODUCT INDICATION

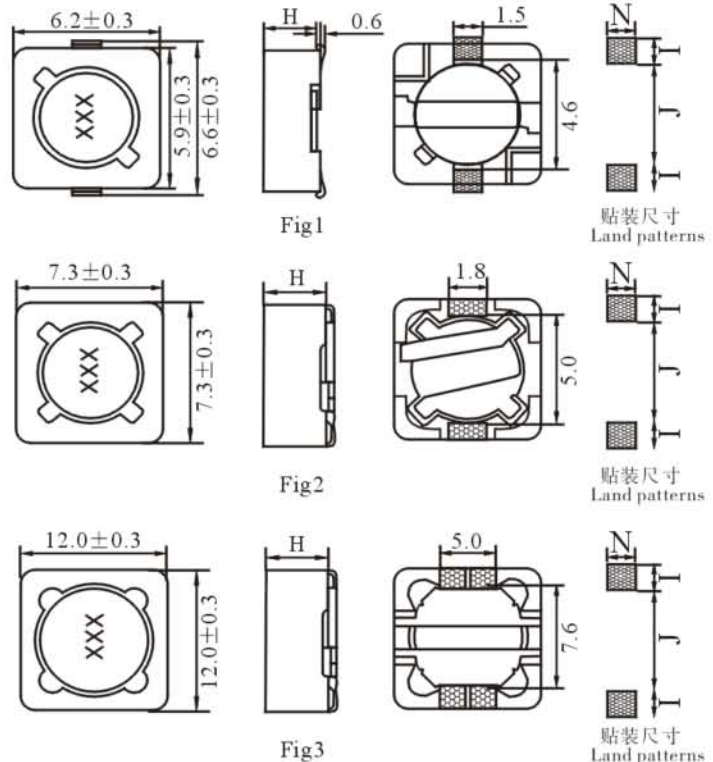
- ① Product type: SPRH type.
- ② External dimensions: Quadrate 12 for Width 12.0mm, 5 for Height 5.0mm.
- ③ Electrical code: 221 for 220 μ H.
- ④ Tolerance: M for $\pm 20\%$, N for $\pm 30\%$.
- ⑤ Packing style: R for carrier tape reel; B for in bulk.

外形尺寸(单位: mm)

SHAPE AND DIMENSIONS(unit:mm)



型号TYPE	H (Max)	N	I	J	Fig1
SPRH62	3.0	1.9	1.4	4.6	1
SPRH64	5.0	1.9	1.4	4.6	1
SPRH73	3.4	2.2	1.6	4.8	2
SPRH74	4.5	2.2	1.6	4.8	2
SPRH124	4.5	5.4	2.9	7.0	3
SPRH125	6.0	5.4	2.9	7.0	3
SPRH127	8.0	5.4	2.9	7.0	3



电气性能 Electrical Characteristics SPRH62 Series

Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPRH62-2R9N	100KHz/0.1V	2.9	±30	0.07	1.94
SPRH62-4R0N	100KHz/0.1V	4.0	±30	0.08	1.63
SPRH62-5R5N	100KHz/0.1V	5.5	±30	0.10	1.40
SPRH62-100M	100KHz/0.1V	10	±20	0.15	1.10
SPRH62-120M	100KHz/0.1V	12	±20	0.20	1.00
SPRH62-150M	100KHz/0.1V	15	±20	0.23	0.90
SPRH62-180M	100KHz/0.1V	18	±20	0.27	0.80
SPRH62-220M	100KHz/0.1V	22	±20	0.34	0.74
SPRH62-270M	100KHz/0.1V	27	±20	0.38	0.66
SPRH62-330M	100KHz/0.1V	33	±20	0.45	0.59
SPRH62-390M	100KHz/0.1V	39	±20	0.49	0.54
SPRH62-470M	100KHz/0.1V	47	±20	0.69	0.50
SPRH62-560M	100KHz/0.1V	56	±20	0.78	0.46
SPRH62-680M	100KHz/0.1V	68	±20	1.07	0.42
SPRH62-820M	100KHz/0.1V	82	±20	1.21	0.38
SPRH62-101M	100KHz/0.1V	100	±20	1.39	0.34
SPRH62-121M	100KHz/0.1V	120	±20	1.90	0.31
SPRH62-151M	100KHz/0.1V	150	±20	2.18	0.28
SPRH62-181M	100KHz/0.1V	180	±20	2.77	0.26
SPRH62-221M	100KHz/0.1V	220	±20	3.12	0.23
SPRH62-271M	100KHz/0.1V	270	±20	4.38	0.22
SPRH62-331M	100KHz/0.1V	330	±20	4.94	0.19

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

电气性能 Electrical Characteristics SPRH64 Series

Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPRH64-100M	100KHz/0.1V	10	±20	0.120	1.35
SPRH64-120M	100KHz/0.1V	12	±20	0.130	1.22
SPRH64-150M	100KHz/0.1V	15	±20	0.180	1.11
SPRH64-180M	100KHz/0.1V	18	±20	0.240	1.02
SPRH64-220M	100KHz/0.1V	22	±20	0.270	0.91
SPRH64-270M	100KHz/0.1V	27	±20	0.300	0.82
SPRH64-330M	100KHz/0.1V	33	±20	0.330	0.74
SPRH64-390M	100KHz/0.1V	39	±20	0.370	0.69
SPRH64-470M	100KHz/0.1V	47	±20	0.520	0.62
SPRH64-560M	100KHz/0.1V	56	±20	0.560	0.58
SPRH64-680M	100KHz/0.1V	68	±20	0.630	0.51
SPRH64-820M	100KHz/0.1V	82	±20	0.710	0.46
SPRH64-101M	100KHz/0.1V	100	±20	1.030	0.42
SPRH64-121M	100KHz/0.1V	120	±20	1.150	0.38
SPRH64-151M	100KHz/0.1V	150	±20	1.680	0.35
SPRH64-181M	100KHz/0.1V	180	±20	1.870	0.32
SPRH64-221M	100KHz/0.1V	220	±20	2.080	0.29
SPRH64-271M	100KHz/0.1V	270	±20	2.370	0.26
SPRH64-331M	100KHz/0.1V	330	±20	2.670	0.23
SPRH64-391M	100KHz/0.1V	390	±20	2.940	0.22
SPRH64-471M	100KHz/0.1V	470	±20	3.390	0.20
SPRH64-561M	100KHz/0.1V	560	±20	5.430	0.18
SPRH64-681M	100KHz/0.1V	680	±20	7.320	0.17
SPRH64-821M	100KHz/0.1V	820	±20	8.240	0.15
SPRH64-102M	100KHz/0.1V	1000	±20	9.260	0.14

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

电气性能 Electrical Characteristics SPRH73 Series

Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPRH73-100M	100KHz/0.1V	10	±20	0.072	1.68
SPRH73-120M	100KHz/0.1V	12	±20	0.098	1.52
SPRH73-150M	100KHz/0.1V	15	±20	0.130	1.33
SPRH73-180M	100KHz/0.1V	18	±20	0.140	1.20
SPRH73-220M	100KHz/0.1V	22	±20	0.190	1.07
SPRH73-270M	100KHz/0.1V	27	±20	0.210	0.96
SPRH73-330M	100KHz/0.1V	33	±20	0.240	0.91
SPRH73-390M	100KHz/0.1V	39	±20	0.320	0.77
SPRH73-470M	100KHz/0.1V	47	±20	0.360	0.76
SPRH73-560M	100KHz/0.1V	56	±20	0.470	0.68
SPRH73-680M	100KHz/0.1V	68	±20	0.520	0.61
SPRH73-820M	100KHz/0.1V	82	±20	0.690	0.57
SPRH73-101M	100KHz/0.1V	100	±20	0.790	0.50
SPRH73-121M	100KHz/0.1V	120	±20	0.890	0.49
SPRH73-151M	100KHz/0.1V	150	±20	1.270	0.43
SPRH73-181M	100KHz/0.1V	180	±20	1.450	0.38
SPRH73-221M	100KHz/0.1V	220	±20	1.650	0.35
SPRH73-271M	100KHz/0.1V	270	±20	2.310	0.32
SPRH73-331M	100KHz/0.1V	330	±20	2.620	0.28
SPRH73-391M	100KHz/0.1V	390	±20	2.940	0.26
SPRH73-471M	100KHz/0.1V	470	±20	4.180	0.24
SPRH73-561M	100KHz/0.1V	560	±20	4.670	0.22
SPRH73-681M	100KHz/0.1V	680	±20	5.730	0.19
SPRH73-821M	100KHz/0.1V	820	±20	6.540	0.18
SPRH73-102M	100KHz/0.1V	1000	±20	9.440	0.16

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

电气性能 Electrical Characteristics SPRH74 Series

Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPRH74-100M	100KHz/0.1V	10	±20	0.05	1.84
SPRH74-120M	100KHz/0.1V	12	±20	0.06	1.71
SPRH74-150M	100KHz/0.1V	15	±20	0.08	1.47
SPRH74-180M	100KHz/0.1V	18	±20	0.09	1.31
SPRH74-220M	100KHz/0.1V	22	±20	0.11	1.23
SPRH74-270M	100KHz/0.1V	27	±20	0.15	1.12
SPRH74-330M	100KHz/0.1V	33	±20	0.17	0.96
SPRH74-390M	100KHz/0.1V	39	±20	0.23	0.91
SPRH74-470M	100KHz/0.1V	47	±20	0.26	0.88
SPRH74-560M	100KHz/0.1V	56	±20	0.35	0.75
SPRH74-680M	100KHz/0.1V	68	±20	0.38	0.69
SPRH74-820M	100KHz/0.1V	82	±20	0.43	0.61
SPRH74-101M	100KHz/0.1V	100	±20	0.61	0.6
SPRH74-121M	100KHz/0.1V	120	±20	0.66	0.52
SPRH74-151M	100KHz/0.1V	150	±20	0.88	0.46
SPRH74-181M	100KHz/0.1V	180	±20	0.98	0.42
SPRH74-221M	100KHz/0.1V	220	±20	1.17	0.36
SPRH74-271M	100KHz/0.1V	270	±20	1.64	0.34
SPRH74-331M	100KHz/0.1V	330	±20	1.86	0.32
SPRH74-391M	100KHz/0.1V	390	±20	2.85	0.29
SPRH74-471M	100KHz/0.1V	470	±20	3.01	0.26
SPRH74-561M	100KHz/0.1V	560	±20	3.62	0.23
SPRH74-681M	100KHz/0.1V	680	±20	1.63	0.22
SPRH74-821M	100KHz/0.1V	820	±20	5.20	0.20
SPRH74-102M	100KHz/0.1V	1000	±20	6.00	0.18

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet .

电气性能 Electrical Characteristics SPRH124 Series

Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPRH124-3R9N	100KHz/0.1V	3.9	±30	0.015	6.50
SPRH124-4R7N	100KHz/0.1V	4.7	±30	0.018	5.70
SPRH124-6R8N	100KHz/0.1V	6.8	±30	0.023	4.90
SPRH124-100M	100KHz/0.1V	10	±20	0.028	4.50
SPRH124-120M	100KHz/0.1V	12	±20	0.038	4.00
SPRH124-150M	100KHz/0.1V	15	±20	0.050	3.20
SPRH124-180M	100KHz/0.1V	18	±20	0.057	3.10
SPRH124-220M	100KHz/0.1V	22	±20	0.066	2.90
SPRH124-270M	100KHz/0.1V	27	±20	0.080	2.80
SPRH124-330M	100KHz/0.1V	33	±20	0.097	2.70
SPRH124-390M	100KHz/0.1V	39	±20	0.132	2.10
SPRH124-470M	100KHz/0.1V	47	±20	0.150	1.90
SPRH124-560M	100KHz/0.1V	56	±20	0.190	1.80
SPRH124-680M	100KHz/0.1V	68	±20	0.220	1.50
SPRH124-820M	100KHz/0.1V	82	±20	0.260	1.30
SPRH124-101M	100KHz/0.1V	100	±20	0.308	1.20
SPRH124-121M	100KHz/0.1V	120	±20	0.380	1.10
SPRH124-151M	100KHz/0.1V	150	±20	0.530	0.95
SPRH124-181M	100KHz/0.1V	180	±20	0.620	0.85
SPRH124-221M	100KHz/0.1V	220	±20	0.700	0.80
SPRH124-271M	100KHz/0.1V	270	±20	0.876	0.60
SPRH124-331M	100KHz/0.1V	330	±20	0.990	0.50

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

电气性能 Electrical Characteristics SPRH125 Series

Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPRH125-1R3N	100KHz/0.1V	1.3	±30	0.012	8.00
SPRH125-2R1N	100KHz/0.1V	2.1	±30	0.014	7.00
SPRH125-3R1N	100KHz/0.1V	3.1	±30	0.017	6.00
SPRH125-4R4N	100KHz/0.1V	4.4	±30	0.020	5.00
SPRH125-5R8N	100KHz/0.1V	5.8	±30	0.021	4.40
SPRH125-7R5N	100KHz/0.1V	7.5	±30	0.024	4.20
SPRH125-100M	100KHz/0.1V	10	±20	0.025	4.00
SPRH125-120M	100KHz/0.1V	12	±20	0.027	3.50
SPRH125-150M	100KHz/0.1V	15	±20	0.030	3.30
SPRH125-180M	100KHz/0.1V	18	±20	0.034	3.00
SPRH125-220M	100KHz/0.1V	22	±20	0.036	2.80
SPRH125-270M	100KHz/0.1V	27	±20	0.051	2.30
SPRH125-330M	100KHz/0.1V	33	±20	0.057	2.10
SPRH125-390M	100KHz/0.1V	39	±20	0.068	2.00
SPRH125-470M	100KHz/0.1V	47	±20	0.075	1.80
SPRH125-560M	100KHz/0.1V	56	±20	0.110	1.70
SPRH125-680M	100KHz/0.1V	68	±20	0.120	1.50
SPRH125-820M	100KHz/0.1V	82	±20	0.140	1.40
SPRH125-101M	100KHz/0.1V	100	±20	0.160	1.30
SPRH125-121M	100KHz/0.1V	120	±20	0.170	1.10
SPRH125-151M	100KHz/0.1V	150	±20	0.230	1.00
SPRH125-181M	100KHz/0.1V	180	±20	0.290	0.90
SPRH125-221M	100KHz/0.1V	220	±20	0.400	0.80
SPRH125-271M	100KHz/0.1V	270	±20	0.460	0.75
SPRH125-331M	100KHz/0.1V	330	±20	0.510	0.68
SPRH125-391M	100KHz/0.1V	390	±20	0.690	0.65
SPRH125-471M	100KHz/0.1V	470	±20	0.770	0.58
SPRH125-561M	100KHz/0.1V	560	±20	0.860	0.54
SPRH125-681M	100KHz/0.1V	680	±20	1.200	0.48
SPRH125-821M	100KHz/0.1V	820	±20	1.340	0.43
SPRH125-102M	100KHz/0.1V	1000	±20	1.530	0.40

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

电气性能 Electrical Characteristics SPRH127

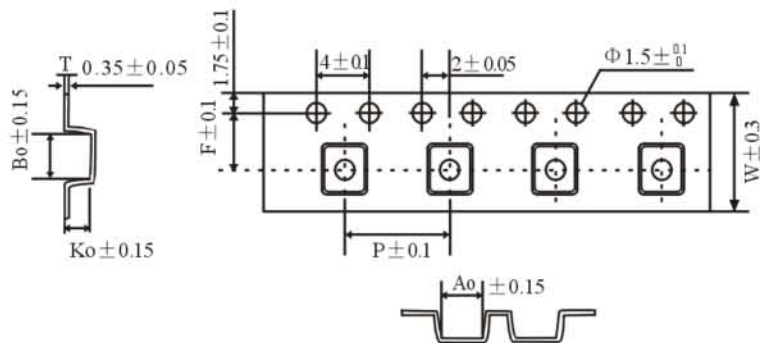
Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPRH127-1R2N	100KHz/0.1V	1.2	±30	0.007	9.80
SPRH127-2R4N	100KHz/0.1V	2.4	±30	0.012	8.00
SPRH127-3R5N	100KHz/0.1V	3.5	±30	0.014	7.50
SPRH127-4R7N	100KHz/0.1V	4.7	±30	0.016	6.80
SPRH127-6R1N	100KHz/0.1V	6.1	±30	0.018	6.60
SPRH127-7R6N	100KHz/0.1V	7.6	±30	0.020	5.90
SPRH127-100M	100KHz/0.1V	10	±20	0.022	5.40
SPRH127-120M	100KHz/0.1V	12	±20	0.025	4.90
SPRH127-150M	100KHz/0.1V	15	±20	0.027	4.50
SPRH127-180M	100KHz/0.1V	18	±20	0.039	3.90
SPRH127-220M	100KHz/0.1V	22	±20	0.043	3.60
SPRH127-270M	100KHz/0.1V	27	±20	0.046	3.40
SPRH127-330M	100KHz/0.1V	33	±20	0.065	3.00
SPRH127-390M	100KHz/0.1V	39	±20	0.073	2.75
SPRH127-470M	100KHz/0.1V	47	±20	0.100	2.50
SPRH127-560M	100KHz/0.1V	56	±20	0.110	2.35
SPRH127-680M	100KHz/0.1V	68	±20	0.140	2.10
SPRH127-820M	100KHz/0.1V	82	±20	0.160	1.95
SPRH127-101M	100KHz/0.1V	100	±20	0.220	1.70
SPRH127-121M	100KHz/0.1V	120	±20	0.250	1.60
SPRH127-151M	100KHz/0.1V	150	±20	0.280	1.42
SPRH127-181M	100KHz/0.1V	180	±20	0.350	1.30
SPRH127-221M	100KHz/0.1V	220	±20	0.390	1.16
SPRH127-271M	100KHz/0.1V	270	±20	0.560	1.06
SPRH127-331M	100KHz/0.1V	330	±20	0.640	0.95
SPRH127-391M	100KHz/0.1V	390	±20	0.700	0.88
SPRH127-471M	100KHz/0.1V	470	±20	0.980	0.79
SPRH127-561M	100KHz/0.1V	560	±20	1.070	0.73
SPRH127-681M	100KHz/0.1V	680	±20	1.460	0.67
SPRH127-821M	100KHz/0.1V	820	±20	0.640	0.60
SPRH127-102M	100KHz/0.1V	1000	±20	1.820	0.55

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

■ 记事 Notes:

- 电感值测试仪：HP4286A/CH1062A或同等LCR Meter。
Inductance instrument: HP4286A/CH1062A or LCR Meter equivalent.
- 电感测试条件：100KHz/1KHz。
Inductance testing condition: 100KHz/1KHz.
- 电阻测试仪：TH2512B或同等的DCR测试设备。
DCR instrument: TH2512B or DCR test equipment equivalent.
- 额定电流测试：VR7210&VR113H。
Rated Current test: VR7210&VR113H.
- 额定电流定义：电感下降25%或温度上升40℃时取其最小值作为额定电流。
Rated Current definition: Inductance drop by 25% or temperature rise by 40℃, the lesser of the minimum as the rated current.
- 贮藏温度：-25℃~80℃；相对湿度：RH65%~85%。
Temperature storage range: -25℃~80℃； the relative humidity: RH65%~85%.

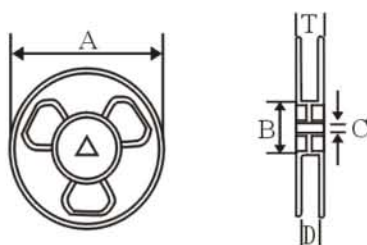
编带尺寸 Dimensions of tape (unit:mm)



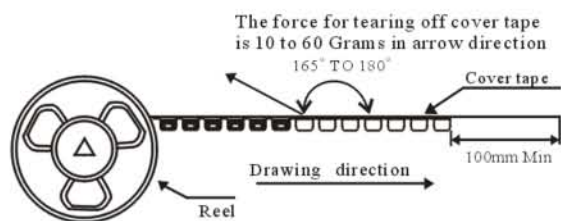
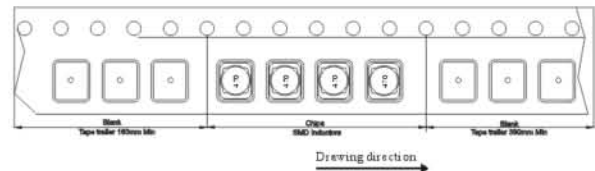
型号Type	尺寸Dimensions						带轮Reel	Quantities(数量)
	Ao	Bo	W	P	F	Ko		PCS/reel(每卷)
SPRH62	6.50	6.50	16.00	12.00	7.50	3.60	330*16	1500
SPRH64	6.50	6.50	16.00	12.00	7.50	5.60	330*16	1000
SPRH73	7.60	7.60	16.00	12.00	7.50	4.00	330*16	1000
SPRH74	7.60	7.60	16.00	12.00	7.50	5.00	330*16	1000
SPRH124	12.60	12.60	24.00	16.00	11.50	5.10	330*24	500
SPRH125	12.60	12.60	24.00	16.00	11.50	6.50	330*24	500
SPRH127	12.60	12.60	24.00	16.00	11.50	8.40	330*24	500

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

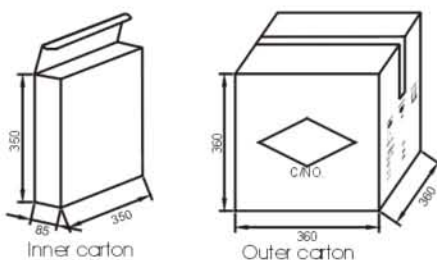
带轮尺寸 Dimensions of Reel (unit: mm) 编带简图及拉伸方向 Taping figures and drawing direction



Type	A	B	C	D	T
16mm	330	100	13.5	16.4	20.4
24mm	330	100	13.5	24.4	28.4



包装箱盒尺寸 Box and case dimensions (unit: mm) 包装数量 Packaging quantities (unit: PCS)



4内箱=1外箱(4 boxes in a case)

型号Type	Quantities(数量)	Quantities(数量)
	Inner carton 内箱	Outer carton 外箱
SPRH62	4/6000	4/24K
SPRH64	4/4000	4/16K
SPRH73	4/4000	4/16K
SPRH74	4/4000	4/16K
SPRH124	2/1000	4/4K
SPRH125	2/1000	4/4K
SPRH127	2/1000	4/4K