

■ Features

- High current type.
- Ferrite bobbin core and compact size.
- Low core loss for high frequency power application.
- Large terminal surface for good PCB bonding.
- Operating temperature:-40℃ ~ +125℃.

■ Applications

- Portable communication equipment.
- Notebook PC,digital camera,LCD television set.
- Power supply for VTR,OA equipment.
- DC/DC converters.

■ Product Identification

<u>YLRH</u>	<u>□□□□</u>	-	<u>□□□</u>	<u>□</u>
(1)	(2)		(3)	(4)

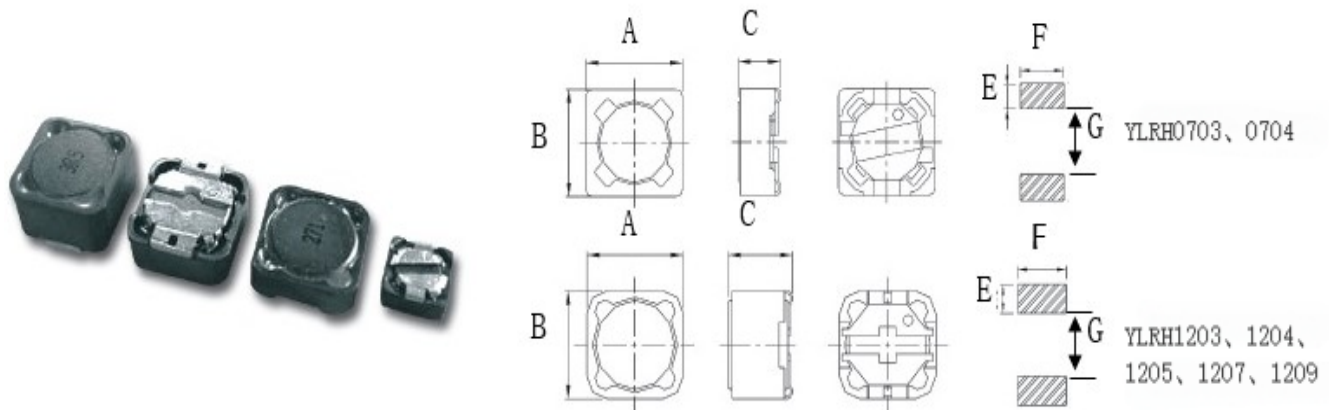
(1) : Type

(2) : Dimensions

(3) : Inductance value

(4) : Inductance Tolerance; N=±30%,M=±20%, K=±10%

■ Shapes and Dimensions (Unit: mm)



TYPE	A	B	C max	E Ref.	F Ref.	G Ref.
YLRH0703	7.30±0.5	7.30±0.5	3.5	1.6	2.2	4.8
YLRH0704	7.30±0.5	7.30±0.5	4.5	1.6	2.2	4.8
YLRH1203	12.0±0.5	12.0±0.5	4.0	2.8	5.4	7.0
YLRH1204	12.0±0.5	12.0±0.5	5.0	2.8	5.4	7.0
YLRH1205	12.0±0.5	12.0±0.5	6.0	2.8	5.4	7.0
YLRH1207	12.0±0.5	12.0±0.5	8.0	2.8	5.4	7.0
YLRH1209	12.0±0.5	12.0±0.5	10.0	2.8	5.4	7.0

■ YLRH0703 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH0703-R33□	0.33	100	0.059	6.94
YLRH0703-1R0□	1.00	100	0.018	5.20
YLRH0703-1R2□	1.20	100	0.02	4.20
YLRH0703-2R2□	2.20	100	0.25	3.50
YLRH0703-3R3□	3.30	100	0.035	2.50
YLRH0703-4R7□	4.70	100	0.038	2.26
YLRH0703-6R8□	6.80	100	0.065	1.81
YLRH0703-100□	10.0	100	0.072	1.68
YLRH0703-120□	12.0	100	0.098	1.52
YLRH0703-150□	15.0	100	0.130	1.33
YLRH0703-180□	18.0	100	0.140	1.20
YLRH0703-220□	22.0	100	0.190	1.07
YLRH0703-270□	27.0	100	0.210	0.96
YLRH0703-330□	33.0	100	0.240	0.91
YLRH0703-390□	39.0	100	0.320	0.77
YLRH0703-470□	47.0	100	0.360	0.76
YLRH0703-560□	56.0	100	0.470	0.68
YLRH0703-680□	68.0	100	0.520	0.61
YLRH0703-820□	82.0	100	0.690	0.57
YLRH0703-101□	100	100	0.790	0.50
YLRH0703-121□	120	100	0.890	0.49
YLRH0703-151□	150	100	1.270	0.43
YLRH0703-181□	180	100	1.450	0.39
YLRH0703-221□	220	100	1.650	0.35
YLRH0703-271□	270	100	2.310	0.32
YLRH0703-331□	330	100	2.620	0.28

■ YLRH0703 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH0703-391□	390	100	2.940	0.26
YLRH0703-471□	470	100	4.180	0.24
YLRH0703-561□	560	100	4.670	0.22
YLRH0703-681□	680	100	5.730	0.19
YLRH0703-821□	820	100	6.540	0.18
YLRH0703-102□	1000	100	9.440	0.16

■ YLRH0704 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH0704-1R0□	1.00	100	0.015	9.00
YLRH0704-1R5□	1.50	100	0.018	7.00
YLRH0704-2R2□	2.20	100	0.028	6.00
YLRH0704-2R7□	2.70	100	0.020	4.56
YLRH0704-3R3□	3.30	100	0.025	4.20
YLRH0704-3R9□	3.90	100	0.030	3.90
YLRH0704-4R7□	4.70	100	0.038	3.70
YLRH0704-6R8□	6.80	100	0.045	3.00
YLRH0704-100□	10.0	100	0.049	1.84
YLRH0704-120□	12.0	100	0.058	1.71
YLRH0704-150□	15.0	100	0.081	1.47
YLRH0704-180□	18.0	100	0.091	1.31
YLRH0704-220□	22.0	100	0.110	1.23
YLRH0704-270□	27.0	100	0.150	1.12
YLRH0704-330□	33.0	100	0.170	0.96
YLRH0704-390□	39.0	100	0.230	0.91
YLRH0704-470□	47.0	100	0.260	0.88
YLRH0704-560□	56.0	100	0.350	0.75
YLRH0704-680□	68.0	100	0.380	0.69
YLRH0704-820□	82.0	100	0.430	0.61
YLRH0704-101□	100	100	0.610	0.60
YLRH0704-121□	120	100	0.660	0.52
YLRH0704-151□	150	100	0.880	0.46
YLRH0704-181□	180	100	0.980	0.42
YLRH0704-221□	220	100	1.170	0.36
YLRH0704-271□	270	100	1.640	0.34

■ YLRH0704 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH0704-331□	330	100	1.860	0.32
YLRH0704-391□	390	100	2.850	0.29
YLRH0704-471□	470	100	3.010	0.26
YLRH0704-561□	560	100	3.620	0.23
YLRH0704-681□	680	100	4.630	0.22
YLRH0704-821□	820	100	5.200	0.20
YLRH0704-102□	1000	100	6.000	0.18

■ YLRH1203 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1203-2R2□	2.20	100	0.015	7.00
YLRH1203-2R5□	2.50	100	0.020	6.78
YLRH1203-3R3□	3.30	100	0.027	6.43
YLRH1203-4R7□	4.70	100	0.030	6.00
YLRH1203-5R6□	5.60	100	0.032	5.63
YLRH1203-6R8□	6.80	100	0.035	5.00
YLRH1203-8R2□	8.20	100	0.046	4.50
YLRH1203-100□	10.0	100	0.050	4.00
YLRH1203-120□	12.0	100	0.054	3.85
YLRH1203-150□	15.0	100	0.061	3.60
YLRH1203-180□	18.0	100	0.090	3.40
YLRH1203-220□	22.0	100	0.100	3.20
YLRH1203-270□	27.0	100	0.114	3.00
YLRH1203-330□	33.0	100	0.156	2.50
YLRH1203-390□	39.0	100	0.188	2.35
YLRH1203-470□	47.0	100	0.220	2.30
YLRH1203-560□	56.0	100	0.260	2.20
YLRH1203-680□	68.0	100	0.280	1.80
YLRH1203-101□	100	100	0.440	1.66
YLRH1203-121□	120	100	0.480	1.50
YLRH1203-151□	150	100	0.660	1.40
YLRH1203-181□	180	100	0.860	1.20
YLRH1203-221□	220	100	1.000	1.00
YLRH1203-271□	270	100	1.100	0.85
YLRH1203-331□	330	100	1.400	0.70
YLRH1203-391□	390	100	1.600	0.60
YLRH1203-471□	470	100	1.800	0.50

■ YLRH1204 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1204-1R8□	1.80	100	0.011	9.00
YLRH1204-2R2□	2.20	100	0.012	8.20
YLRH1204-2R5□	2.50	100	0.0125	7.60
YLRH1204-3R3□	3.30	100	0.014	7.00
YLRH1204-3R9□	3.90	100	0.015	6.50
YLRH1204-4R7□	4.70	100	0.018	5.70
YLRH1204-5R6□	5.60	100	0.021	5.20
YLRH1204-6R8□	6.80	100	0.023	4.90
YLRH1204-8R2□	8.20	100	0.026	4.50
YLRH1204-100□	10.0	100	0.028	4.30
YLRH1204-120□	12.0	100	0.038	4.00
YLRH1204-150□	15.0	100	0.050	3.20
YLRH1204-180□	18.0	100	0.057	3.10
YLRH1204-220□	22.0	100	0.066	2.90
YLRH1204-270□	27.0	100	0.080	2.80
YLRH1204-330□	33.0	100	0.097	2.70
YLRH1204-390□	39.0	100	0.132	2.10
YLRH1204-470□	47.0	100	0.150	1.90
YLRH1204-560□	56.0	100	0.190	1.80
YLRH1204-680□	68.0	100	0.220	1.50
YLRH1204-820□	82.0	100	0.260	1.30
YLRH1204-101□	100	100	0.308	1.20
YLRH1204-121□	120	100	0.380	1.10
YLRH1204-151□	150	100	0.530	0.95
YLRH1204-181□	180	100	0.620	0.85
YLRH1204-221□	220	100	0.700	0.80

■ YLRH1204 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1204-271□	270	100	0.870	0.60
YLRH1204-331□	330	100	0.990	0.50
YLRH1204-471□	470	100	1.100	0.25
YLRH1204-102□	1000	100	2.870	0.20

■ YLRH1205 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1205-1R0□	1.00	100	0.012	8.00
YLRH1205-1R3□	1.30	100	0.012	8.00
YLRH1205-1R5□	1.50	100	0.013	7.70
YLRH1205-1R8□	1.80	100	0.014	7.40
YLRH1205-2R1□	2.10	100	0.014	7.00
YLRH1205-2R2□	2.20	100	0.015	7.00
YLRH1205-2R5□	2.50	100	0.017	6.40
YLRH1205-3R0□	3.00	100	0.018	5.80
YLRH1205-3R3□	3.30	100	0.019	5.40
YLRH1205-4R4□	4.40	100	0.020	5.00
YLRH1205-4R7□	4.70	100	0.020	4.80
YLRH1205-5R6□	5.60	100	0.021	4.40
YLRH1205-6R8□	6.80	100	0.022	4.30
YLRH1205-7R5□	7.50	100	0.024	4.20
YLRH1205-7R7□	7.70	100	0.024	4.20
YLRH1205-8R2□	8.20	100	0.025	4.10
YLRH1205-100□	10.0	100	0.025	4.00
YLRH1205-120□	12.0	100	0.027	3.50
YLRH1205-150□	15.0	100	0.030	3.30
YLRH1205-180□	18.0	100	0.034	3.00
YLRH1205-220□	22.0	100	0.036	2.80
YLRH1205-270□	27.0	100	0.051	2.30
YLRH1205-330□	33.0	100	0.060	2.10
YLRH1205-390□	39.0	100	0.068	2.00
YLRH1205-470□	47.0	100	0.075	1.80
YLRH1205-560□	56.0	100	0.110	1.70

■ YLRH1205 Series

Part Number	Inductance (μ H)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1205-680□	68.0	100	0.120	1.50
YLRH1205-820□	82.0	100	0.140	1.40
YLRH1205-101□	100	100	0.160	1.30
YLRH1205-121□	120	100	0.170	1.10
YLRH1205-151□	150	100	0.230	1.00
YLRH1205-181□	180	100	0.290	0.90
YLRH1205-221□	220	100	0.400	0.80
YLRH1205-271□	270	100	0.460	0.75
YLRH1205-331□	330	100	0.510	0.68
YLRH1205-391□	390	100	0.690	0.65
YLRH1205-471□	470	100	0.770	0.58
YLRH1205-561□	560	100	0.860	0.54
YLRH1205-681□	680	100	1.200	0.48
YLRH1205-821□	820	100	1.340	0.43
YLRH1205-102□	1000	100	1.530	0.40
YLRH1205-103□	10000	100	18.000	0.06

■ YPRH1207 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1207-R47□	0.47	100	0.003	23.50
YLRH1207-R75□	0.75	100	0.0042	19.80
YLRH1207-1R0□	1.00	100	0.0065	10.00
YLRH1207-1R2□	1.20	100	0.007	9.80
YLRH1207-1R5□	1.50	100	0.008	9.40
YLRH1207-1R8□	1.80	100	0.010	9.00
YLRH1207-2R2□	2.20	100	0.012	8.00
YLRH1207-2R7□	2.70	100	0.013	8.00
YLRH1207-3R3□	3.30	100	0.013	8.00
YLRH1207-3R9□	3.90	100	0.014	7.50
YLRH1207-4R0□	4.00	100	0.015	7.20
YLRH1207-4R7□	4.70	100	0.016	6.80
YLRH1207-5R6□	5.60	100	0.017	6.40
YLRH1207-6R1□	6.10	100	0.018	6.20
YLRH1207-6R8□	6.80	100	0.019	6.20
YLRH1207-7R0□	7.00	100	0.019	6.10
YLRH1207-7R6□	7.60	100	0.020	5.90
YLRH1207-8R2□	8.20	100	0.020	5.60
YLRH1207-100□	10.0	100	0.022	5.40
YLRH1207-120□	12.0	100	0.025	4.90
YLRH1207-150□	15.0	100	0.030	4.50
YLRH1207-180□	18.0	100	0.039	3.90
YLRH1207-220□	22.0	100	0.043	3.60
YLRH1207-270□	27.0	100	0.046	3.40
YLRH1207-330□	33.0	100	0.065	3.00
YLRH1207-390□	39.0	100	0.073	2.75

■ YPRH1207 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1207-470□	47.0	100	0.100	2.50
YLRH1207-530□	53.0	100	0.100	2.45
YLRH1207-560□	56.0	100	0.110	2.35
YLRH1207-680□	68.0	100	0.140	2.10
YLRH1207-820□	82.0	100	0.160	1.95
YLRH1207-101□	100	100	0.220	1.70
YLRH1207-121□	120	100	0.250	1.60
YLRH1207-151□	150	100	0.280	1.42
YLRH1207-181□	180	100	0.350	1.30
YLRH1207-221□	220	100	0.390	1.16
YLRH1207-271□	270	100	0.560	1.06
YLRH1207-331□	330	100	0.640	0.95
YLRH1207-391□	390	100	0.700	0.88
YLRH1207-471□	470	100	0.980	0.79
YLRH1207-561□	560	100	1.070	0.73
YLRH1207-681□	680	100	1.460	0.67
YLRH1207-821□	820	100	1.640	0.60
YLRH1207-102□	1000	100	1.820	0.55
YLRH1207-122□	1200	100	2.600	0.48

■ YLRH1209 Series

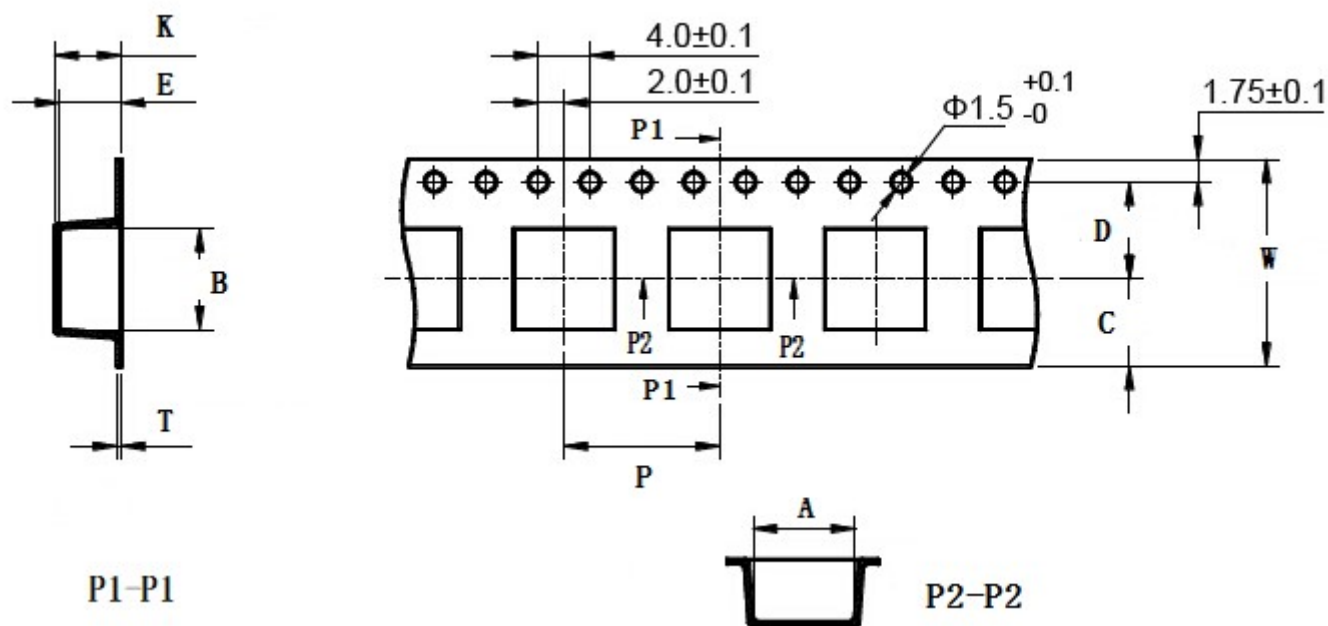
Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1209-1R0□	1.00	100	0.006	19.90
YLRH1209-1R8□	1.80	100	0.007	13.40
YLRH1209-2R5□	2.50	100	0.008	12.16
YLRH1209-3R5□	3.50	100	0.010	12.00
YLRH1209-4R7□	4.70	100	0.011	10.08
YLRH1209-6R8□	6.80	100	0.013	8.56
YLRH1209-7R5□	7.50	100	0.014	8.48
YLRH1209-100□	10.0	100	0.018	7.12
YLRH1209-120□	12.0	100	0.019	7.04
YLRH1209-150□	15.0	100	0.026	5.84
YLRH1209-180□	18.0	100	0.028	5.48
YLRH1209-220□	22.0	100	0.029	5.12
YLRH1209-270□	27.0	100	0.042	4.68
YLRH1209-330□	33.0	100	0.053	4.25
YLRH1209-390□	39.0	100	0.058	3.92
YLRH1209-470□	47.0	100	0.063	3.60
YLRH1209-560□	56.0	100	0.068	2.85
YLRH1209-680□	68.0	100	0.093	2.76
YLRH1209-820□	82.0	100	0.099	2.62
YLRH1209-101□	100	100	0.126	2.31
YLRH1209-121□	120	100	0.154	2.05
YLRH1209-151□	150	100	0.174	1.80
YLRH1209-181□	180	100	0.191	1.66
YLRH1209-221□	220	100	0.246	1.64
YLRH1209-271□	270	100	0.314	1.46
YLRH1209-331□	330	100	0.386	1.28

■ YLRH1209 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	MAX.Rated Current (A)
YLRH1209-391□	390	100	0.428	1.17
YLRH1209-471□	470	100	0.471	1.06
YLRH1209-561□	560	100	0.650	1.01
YLRH1209-681□	680	100	0.730	0.83
YLRH1209-821□	820	100	0.824	0.81
YLRH1209-102□	1000	100	1.220	0.70
YLRH1209-122□	1200	100	1.330	0.64
YLRH1209-152□	1500	100	1.990	0.56
YLRH1209-182□	1800	100	2.180	0.48
YLRH1209-222□	2200	100	2.580	0.43

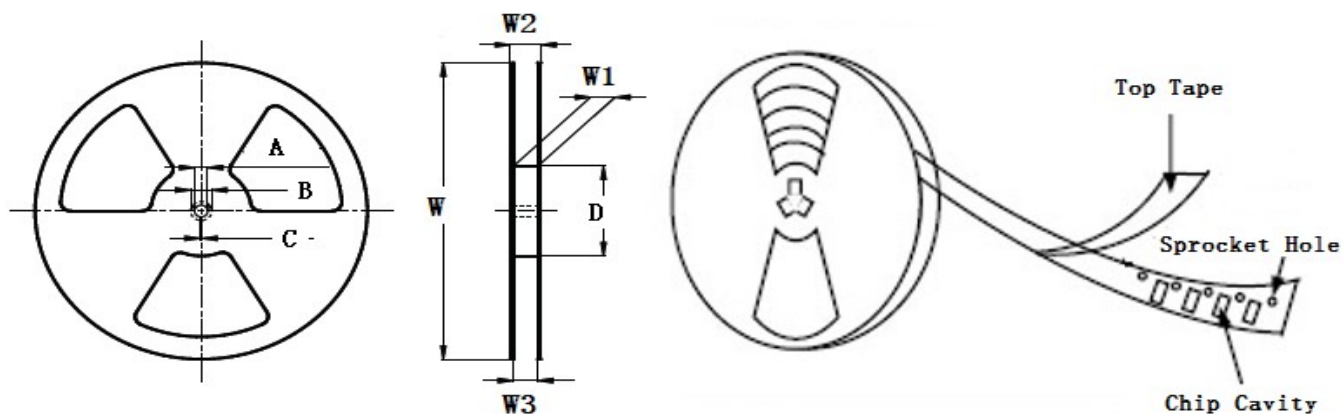
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)
- ※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

Taping Dimensions(Unit:mm)



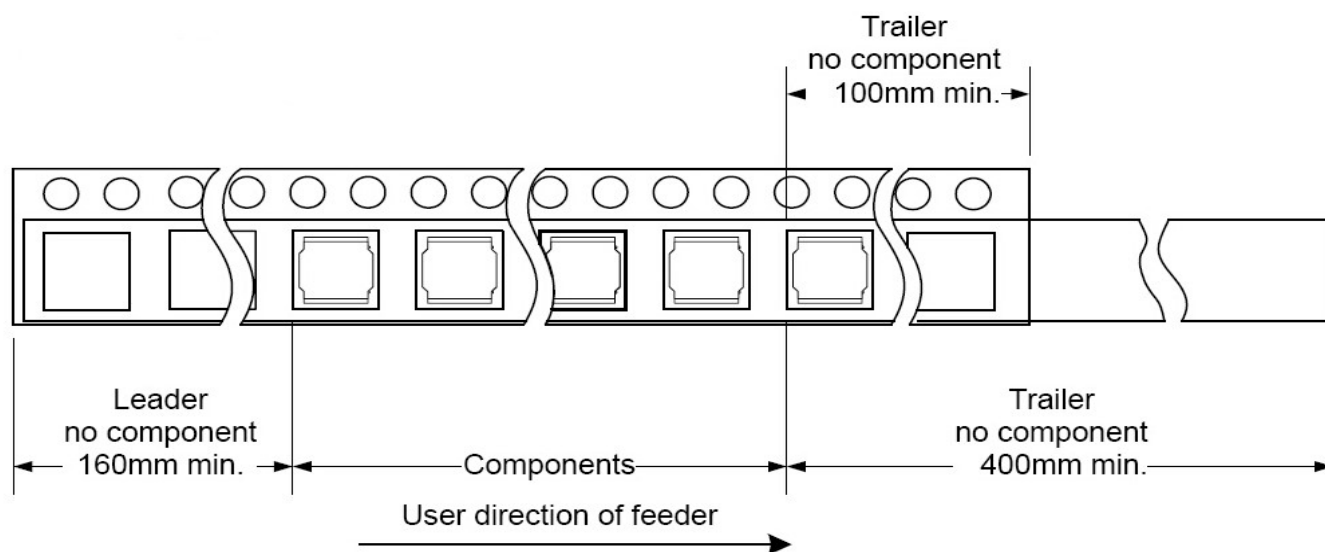
TYPE	YLRH0703	YLRH0704	YLRH1203	YLRH1204	YLRH1205	YLRH1207	YLRH1209
W	16.0±0.30	16.0±0.30	24.0±0.30	24.0±0.30	24.0±0.30	24.0±0.30	24.0±0.30
A	7.70±0.10	7.80±0.10	12.6±0.10	12.6±0.10	12.6±0.10	12.6±0.10	12.6±0.10
B	7.70±0.10	7.80±0.10	12.6±0.10	12.6±0.10	12.6±0.10	12.6±0.10	12.6±0.10
C	6.75	6.75	10.75	10.75	10.75	10.75	10.75
D	7.50±0.10	7.50±0.10	11.5±0.10	11.5±0.10	11.5±0.10	11.5±0.10	11.5±0.10
E	3.65±0.10	4.80±0.10	4.80±0.10	4.80±0.10	6.10±0.10	8.20±0.10	8.20±0.10
P	12.0±0.10	12.0±0.10	16.0±0.10	16.0±0.10	16.0±0.10	16.0±0.10	20.0±0.10
K	3.85 Ref	5.10 Ref	5.10 Ref	5.10 Ref	6.30 Ref	8.40 Ref	10.0 Ref
T	0.35±0.05	0.35±0.05	0.40±0.05	0.40±0.05	0.40±0.05	0.40±0.05	0.40±0.05
MPQ	1000	1000	500	700	500	500	400

■ Reel Dimensions(Unit:mm)

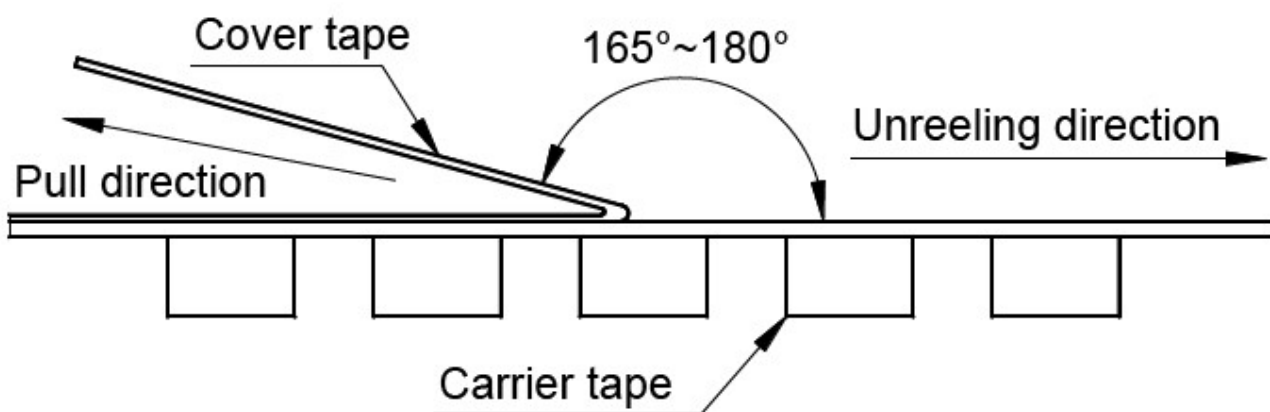


TYPE	YLRH0703	YLRH0704	YLRH1203	YLRH1204	YLRH1205	YLRH1207	YLRH1209
W	330±2.00	330±2.00	330±2.00	330±2.00	330±2.00	330±2.00	330±2.00
W1	16.4±1.50	16.4±1.50	24.4±1.50	24.4±1.50	24.4±1.50	24.4±1.50	24.4±1.50
W2	22.40 Max	22.40 Max	30.40 Max	30.40 Max	30.40 Max	30.40 Max	30.40 Max
W3	15.90 Min	15.90 Min	23.90 Min	23.90 Min	23.90 Min	23.90 Min	23.90 Min
A	13.0±0.50	13.0±0.50	13.0±0.50	13.0±0.50	13.0±0.50	13.0±0.50	13.0±0.50
B	21.0±0.80	21.0±0.80	21.0±0.80	21.0±0.80	21.0±0.80	21.0±0.80	21.0±0.80
C	2.0±0.50	2.0±0.50	2.0±0.50	2.0±0.50	2.0±0.50	2.0±0.50	2.0±0.50
D	100 Min	100 Min	100 Min	100 Min	100 Min	100 Min	100 Min

■ Direction of rolling



■ Cover tape peel off condition



Cover tape peel force shall be 0.1N to 1.3N.

Reference peel speed 300 ± 10 mm/min.