

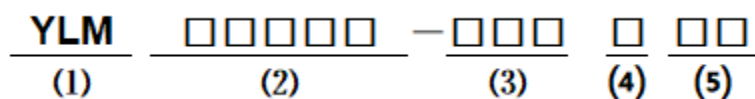
Features

- This filter is characterized by small size, highly effective in noise suppression.
- High common mode impedance at noise band and low differential mode impedance at signal band. Due to the low differential mode impedance with high coupling factor, there is almost no distortion on high speed transmission of high resolution video signals.
- Operating temperature: -40°C to $+105^{\circ}\text{C}$.

Applications

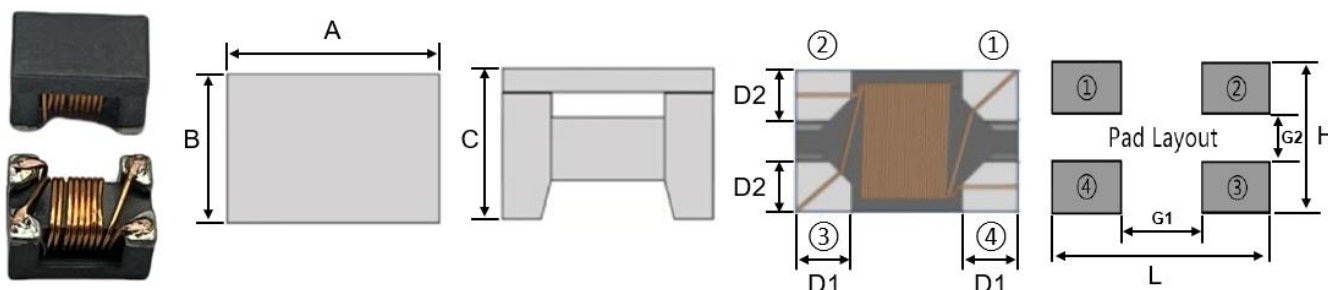
- DC power line common mode noise suppression;
- Switch Mode Power Supplies and regulators;
- Variable Frequency Drives;
- AC/DC power rectifiers.

Product Identification



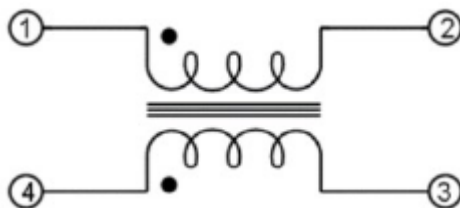
- (1) : Type
(2) : Dimensions
(3) : Impedance
(4) : Packaging
(5) : Electricity

Shapes and Dimensions (Unit: mm)



TYPE	A	B	C	D1 Typ.	D2 Typ.	G1 Typ.	G2 Typ.	L Typ.	H Typ.
YLM4532N	4.5 ± 0.2	3.2 ± 0.2	2.8 ± 0.2	0.9	1.1	2.7	0.7	5.1	3.8

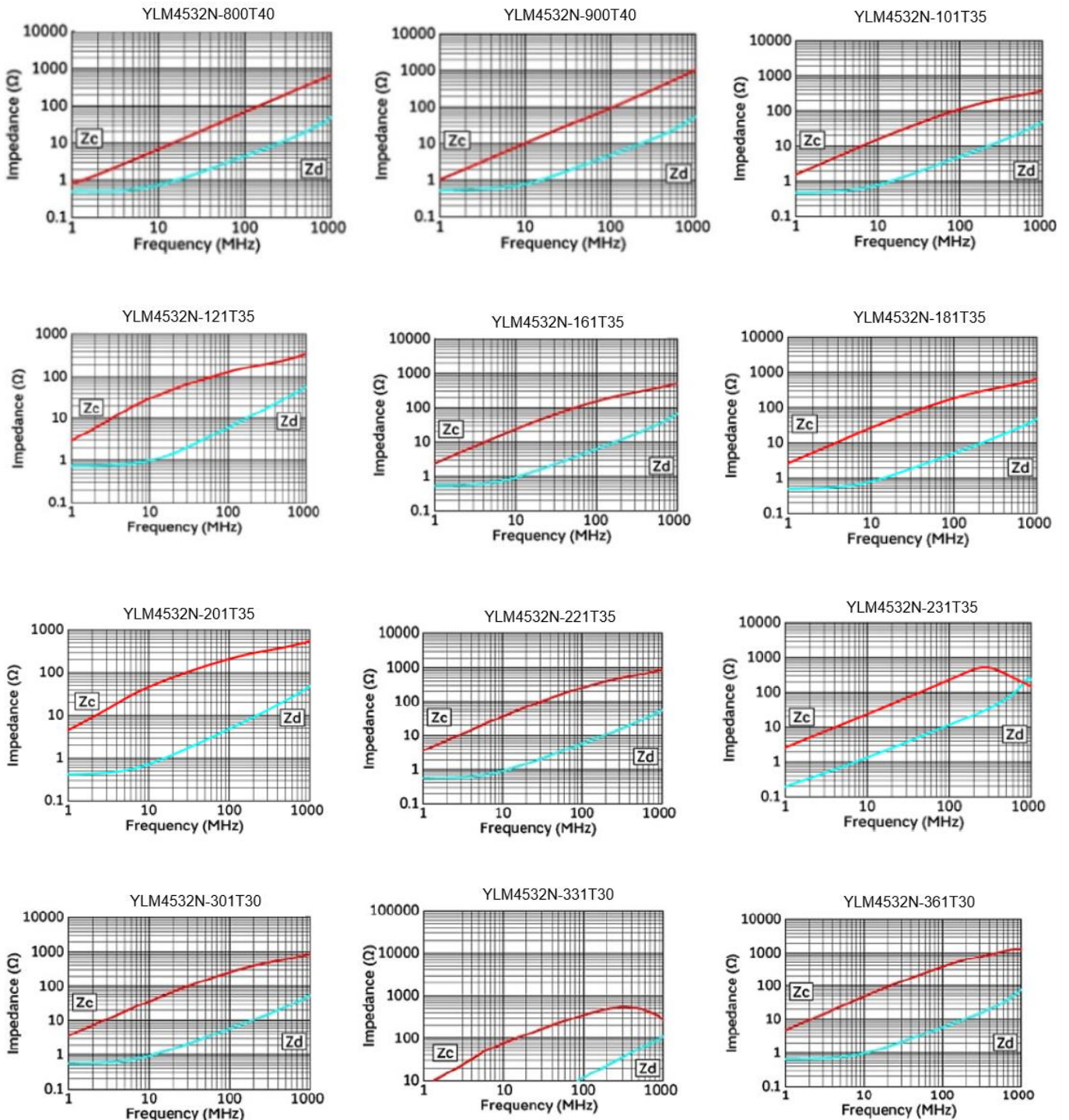
■ Equivalent Circuit



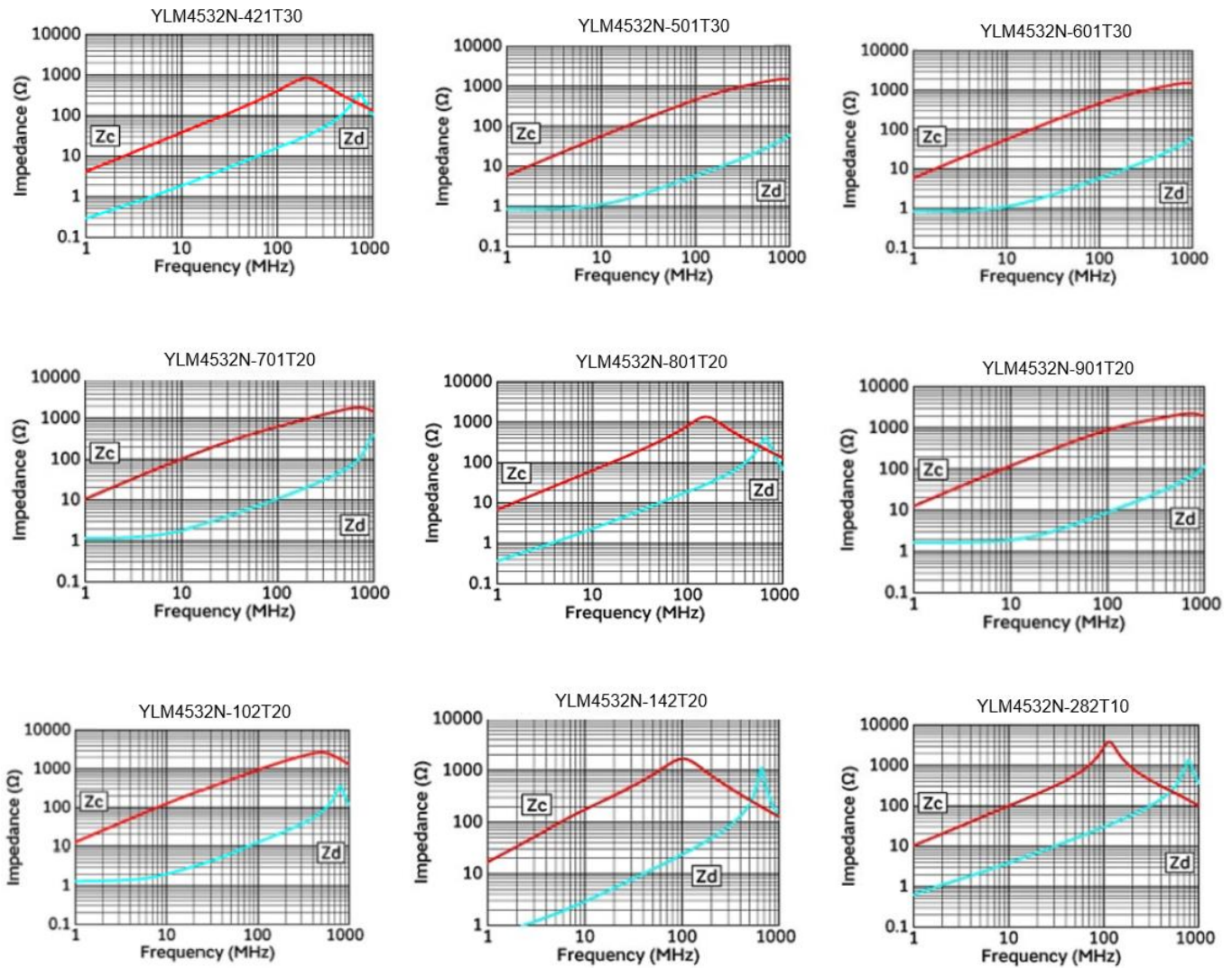
■ Electrical Characteristics

Part Number	Common mode Impedance (Ω) @100MHz	DC Resistance (Ω) Max.	Rated Current (A)	Rated Volt. (Vdc)Max.	Withstand Volt. (Vdc)Max.	IR(M Ω) Min.
YLM4532N-800T40	80 $\pm$ 25%	0.040	4.0	50	125	10
YLM4532N-900T40	90 $\pm$ 25%	0.043	4.0	50	125	10
YLM4532N-101T35	100 $\pm$ 25%	0.048	3.5	50	125	10
YLM4532N-121T35	120 $\pm$ 25%	0.050	3.5	50	125	10
YLM4532N-161T35	160 $\pm$ 25%	0.050	3.5	50	125	10
YLM4532N-181T35	180 $\pm$ 25%	0.052	3.5	50	125	10
YLM4532N-201T35	200 $\pm$ 25%	0.052	3.5	50	125	10
YLM4532N-221T35	220 $\pm$ 25%	0.055	3.5	50	125	10
YLM4532N-231T35	230 $\pm$ 25%	0.055	3.5	50	125	10
YLM4532N-301T30	300 $\pm$ 25%	0.060	3.0	50	125	10
YLM4532N-331T30	330 $\pm$ 25%	0.060	3.0	50	125	10
YLM4532N-361T30	360 $\pm$ 25%	0.060	3.0	50	125	10
YLM4532N-421T30	420 $\pm$ 25%	0.060	3.0	50	125	10
YLM4532N-501T30	500 $\pm$ 25%	0.060	3.0	50	125	10
YLM4532N-601T30	600 $\pm$ 25%	0.060	3.0	50	125	10
YLM4532N-701T20	700 $\pm$ 25%	0.070	2.0	50	125	10
YLM4532N-801T20	800 $\pm$ 25%	0.070	2.0	50	125	10
YLM4532N-901T20	900 $\pm$ 25%	0.070	2.0	50	125	10
YLM4532N-102T20	1000 $\pm$ 25%	0.080	2.0	50	125	10
YLM4532N-142T20	1400 $\pm$ 25%	0.100	2.0	50	125	10
YLM4532N-282T10	2800 $\pm$ 25%	0.250	1.0	50	125	10

■ Electrical Characteristic Curve

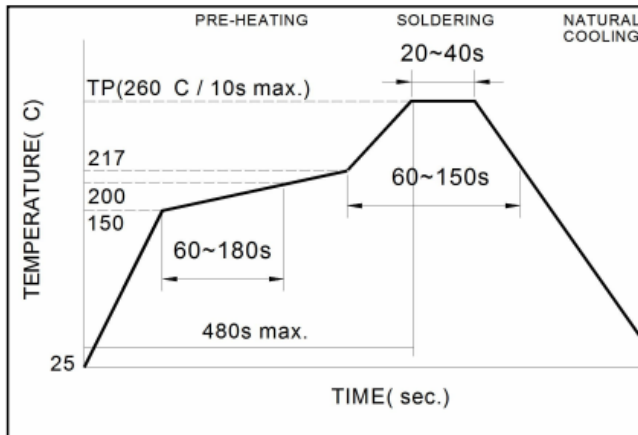


■ Electrical Characteristic Curve



■ Soldering Conditions

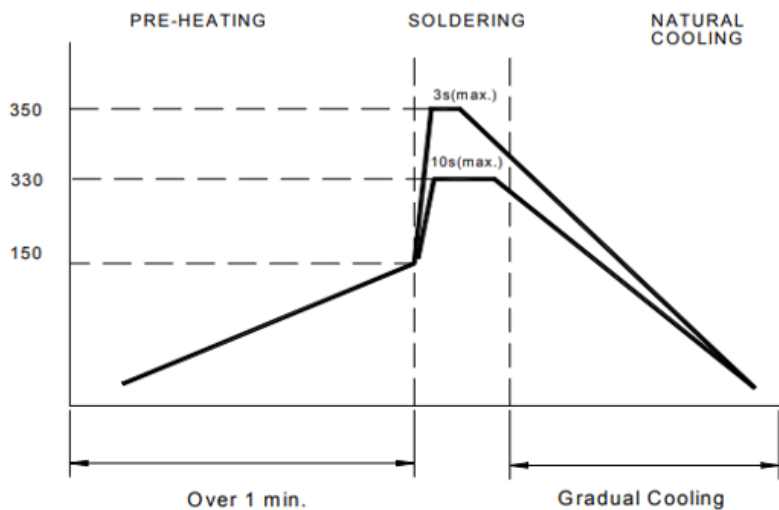
Figure 1:Re-flow Soldering(Lead Free)



Note:

- ※ Preheat circuit and products to 150°C.
- ※ 260°C tip temperature(Max).
- ※ Reflow times: no more than 2 times.
- ※ Solder paste thickness: the best is 0.08mm, but Max is 0.1mm.

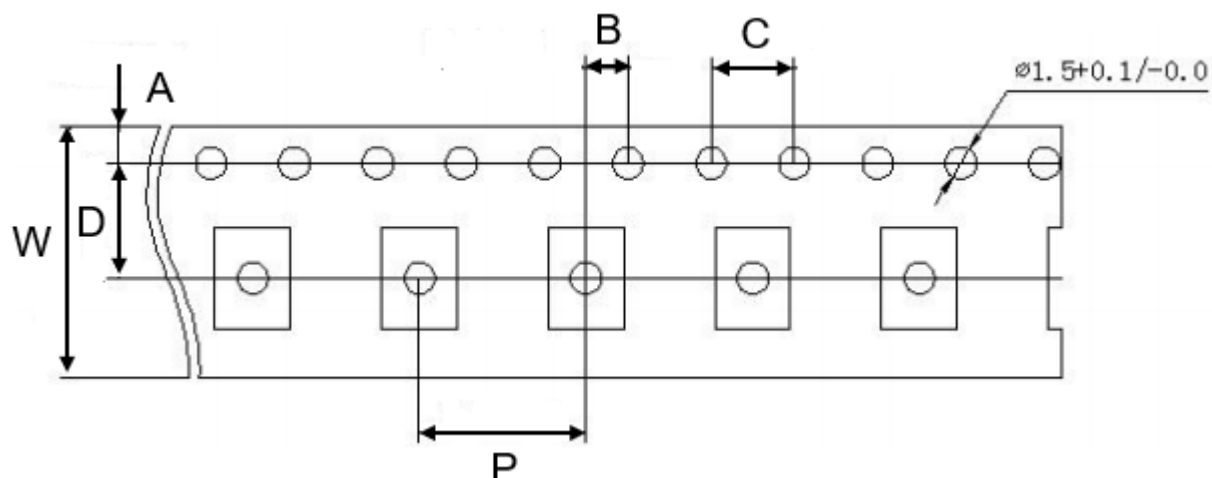
Figure 2:Hand Soldering



Note:

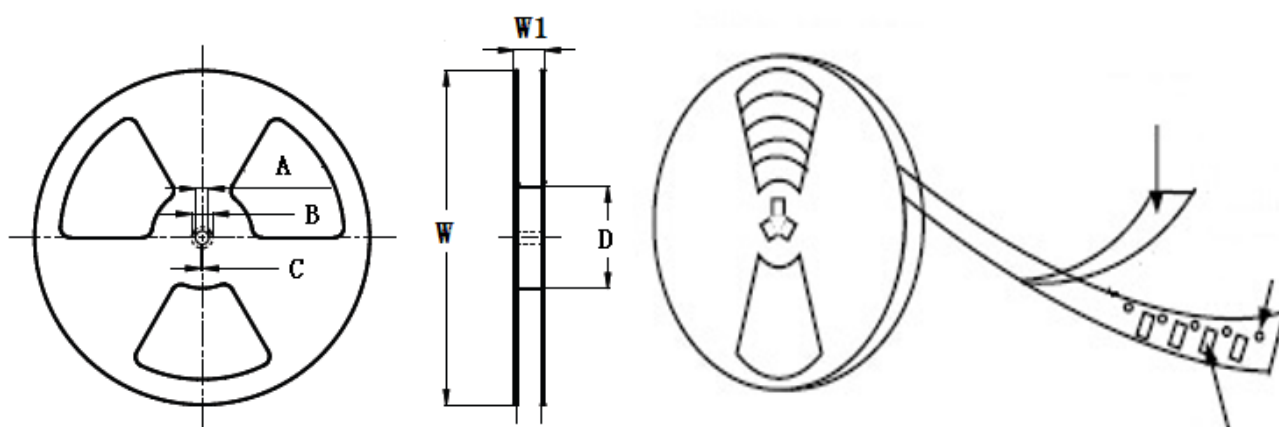
- ※ Use a 20 watt soldering iron with tip diameter of 1.0mm.
- ※ Limit soldering time 3 sec.

■ Taping Dimensions(Unit:mm)



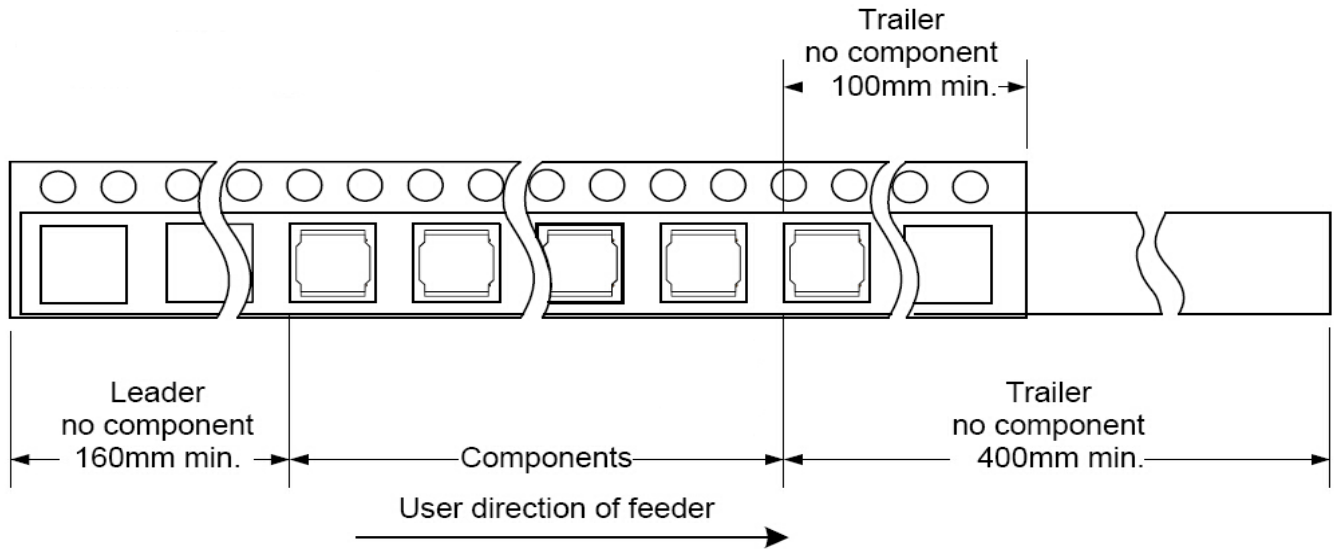
TYPE	W	A	B	C	D	P	MPQ
YLM4532N	12.0 ± 0.3	1.75 ± 0.1	2.0 ± 0.1	4.0 ± 0.1	5.5 ± 0.1	8.0 ± 0.1	500

■ Reel Dimensions(Unit:mm)

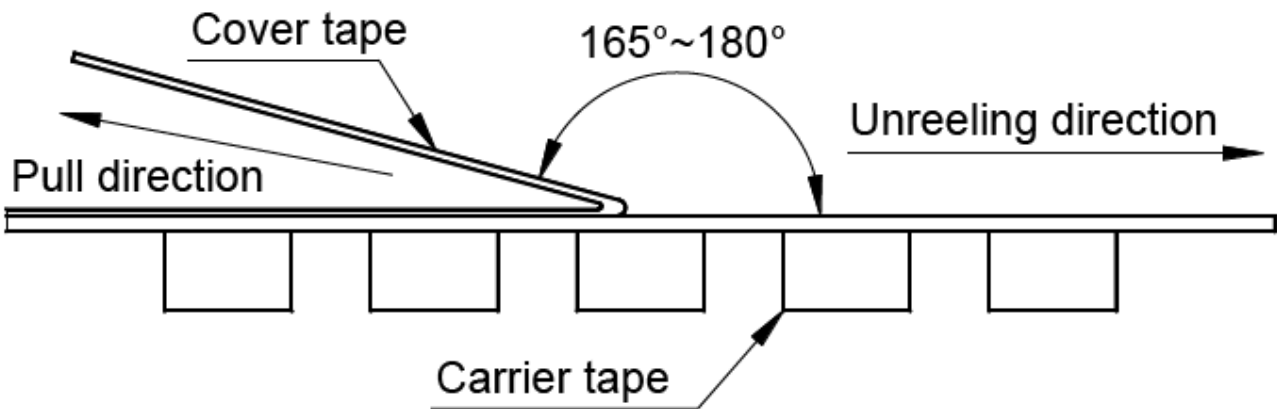


TYPE	W	W1	A	B	C	D
YLM4532N	178 ± 2.0	22.0 ± 2.0	13.0 ± 0.50	21.0 ± 0.80	2.0 ± 0.50	60.0 ± 2.0

■ 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.