Wire Wound Common Mode Choke -YLM7060 Series

■ Features

- SMD construction,and low profile.
- High Impedance and Excelletn Frequency Characteristic.
- Self Electromagnetic Shielding.
- Low Magnetic Flux Leakage.

■ Applications

- LED Light,TV game,Monitor,etc.
- EMI common-mode noise.

■ Product Identification

YLM □□□□-□□□ T
(1) (2) (3) (4)

(1)： Type

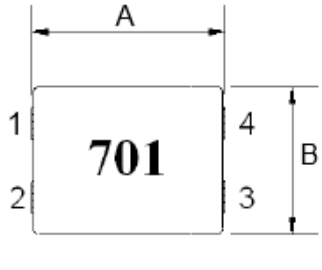
(2)： Dimensions

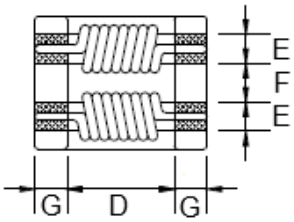
(3)： Inductance value

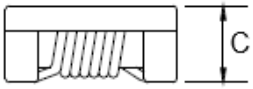
(4)： Taping

Wire Wound Common Mode Choke -YLM7060 Series

■ Shapes and Dimensions (Unit：mm)

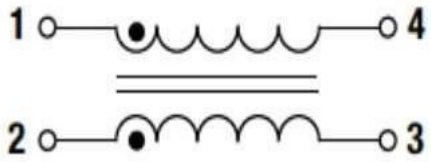






TYPE	A	B	C Max	D Typ	E	F	G
YLM7060	7.0±0.5	6.0±0.5	3.8	3.5	1.5±0.5	1.5±0.5	1.7±0.5

■ Circuit Diagram



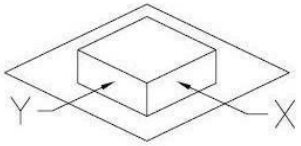
■ YLM7060 Series

Part Number	Z (Ω) @100MHz/0.1V		DC Resistance (mΩ) Max.	Rated Current (A) max.	Rated Volt. (V)max.	IR(MΩ) min.	Marking
	Min	Typ					
YLM7060-400T	40	70	5	15.0	125	10	400
YLM7060-101T	100	140	10	9.0	125	10	101
YLM7060-301T	225	300	10	5.0	125	10	301
YLM7060-501T	275	350	10	5.0	125	10	501
YLM7060-601T	500	700	15	4.0	125	10	601
YLM7060-701T	500	700	15	4.0	125	10	701
YLM7060-102T	800	1020	17	3.0	125	10	102
YLM7060-132T	910	1300	21	2.5	125	10	132
YLM7060-272T	2000	2700	63	1.0	125	10	272
YLM7060-302T	2500	3000	75	0.9	125	10	302

■ Materlal List

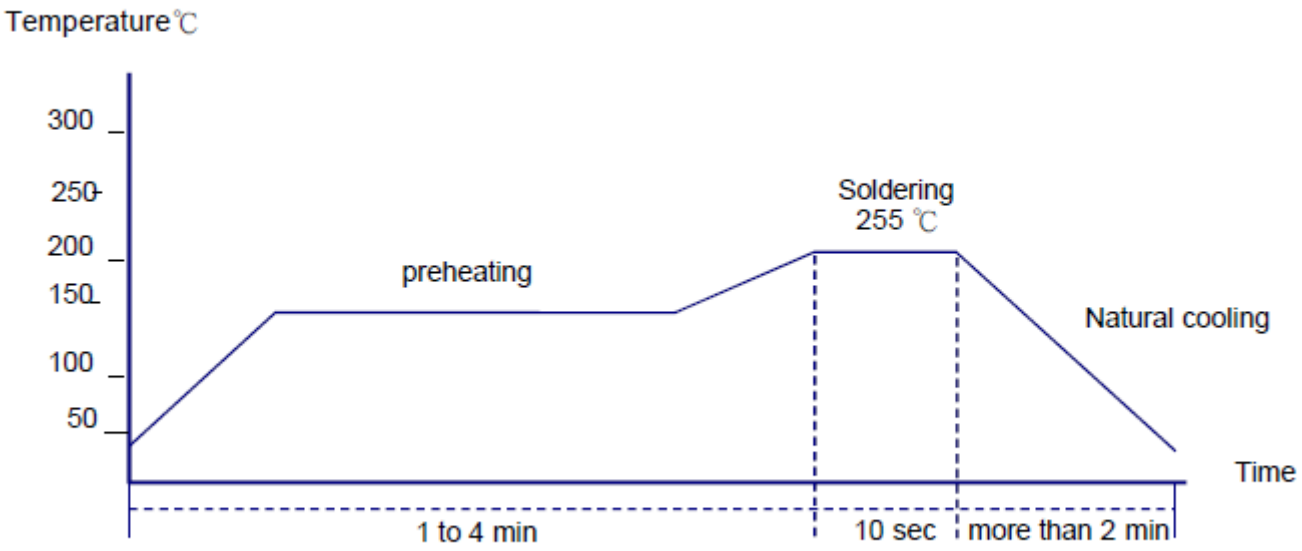
NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	SINCORES OR EQ
2	WIRE	2UEW P180	ELEKTRISOLA OR EQ
3	BASE	LCP	LIANGCHENG OR EQ
4	SOLDER	Sn Cu	SHENMAO OR EQ
5	EPOXY	ME-5890	PENGNO OR EQ
6	INK	WHITE	BON MARK

■ Reliability Testing

Operating Temperature	- 30 to + 100 ℃ (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength 	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. (Refer to figure at right)
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core .
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core .
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / ℃(- 30 ~ + 100 ℃)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 ℃ and 1 hours drying under normal condition .
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal	

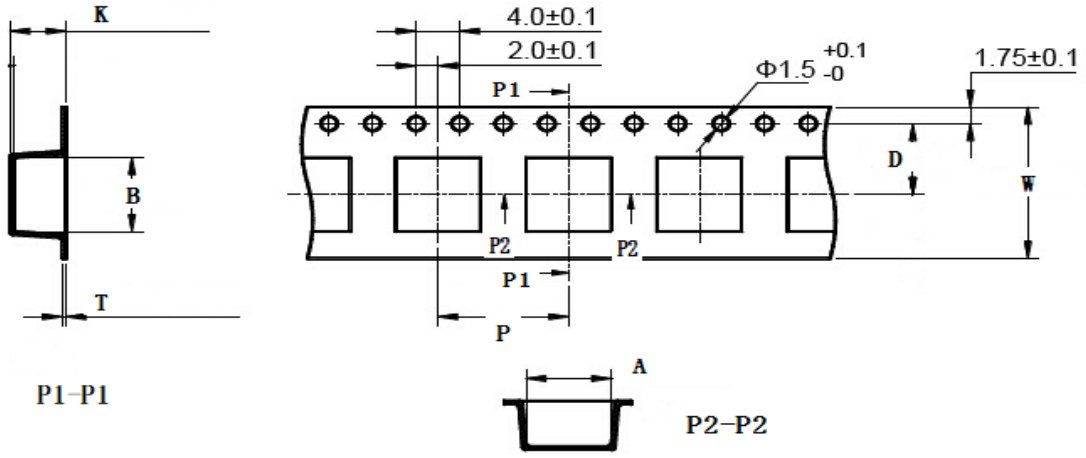
■ Recommended soldering temp.Graph

IR Reflowprofile



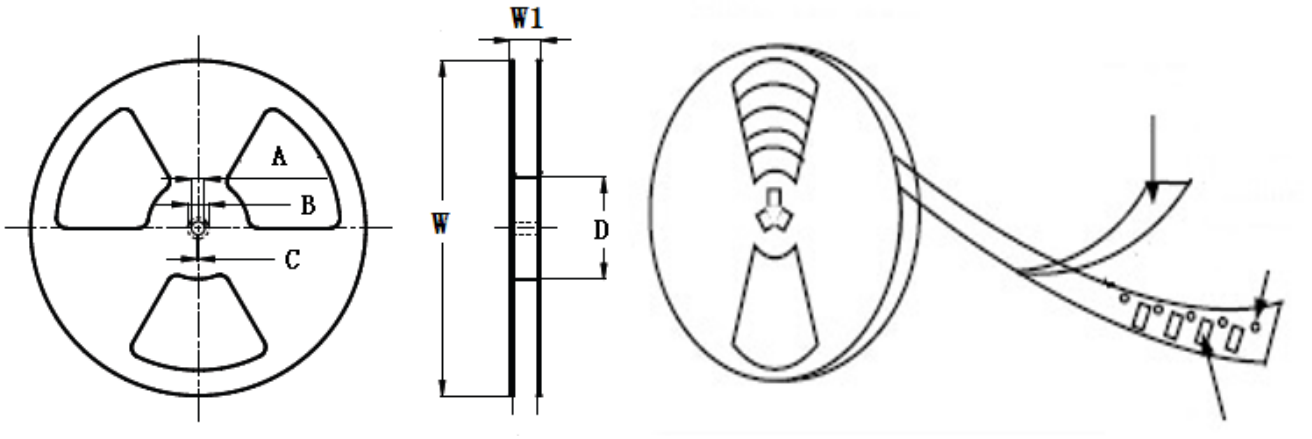
Temperature and humidity . After that , no mechanical and electrical defect should be found .

■ Taping Dimensions(Unit:mm)



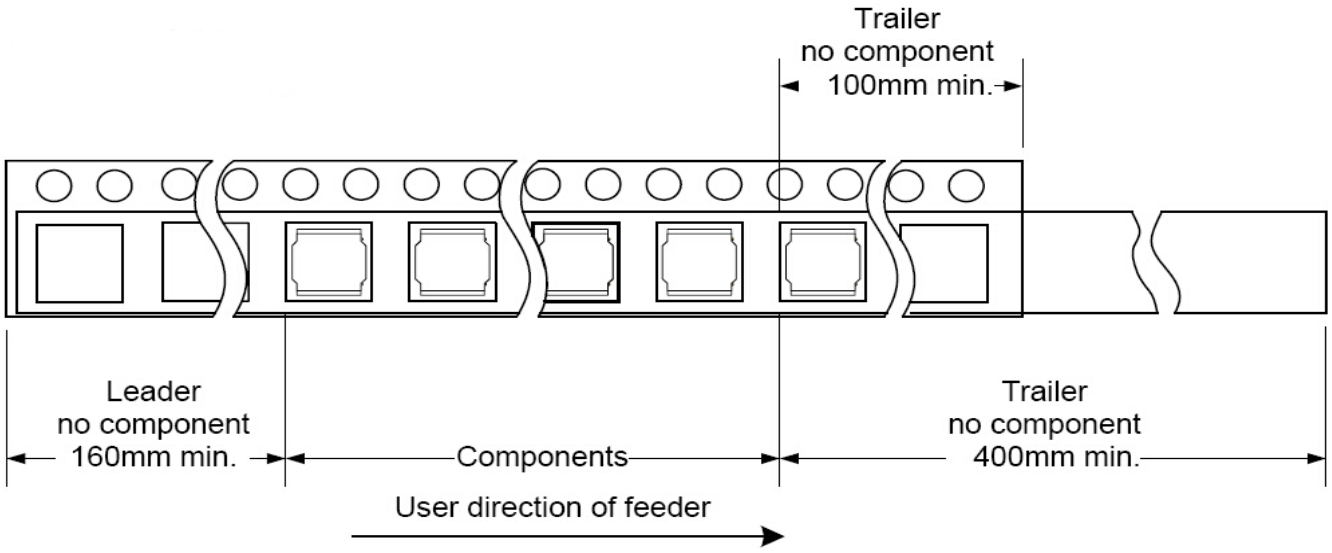
TYPE	W	A	B	D	P	K	T	MPQ
YLM7060	16.0±0.3	6.9±0.3	8.4±0.3	7.5±0.1	12±0.1	4.2±0.1	0.40±0.05	1500

■ Reel Dimensions(Unit:mm)

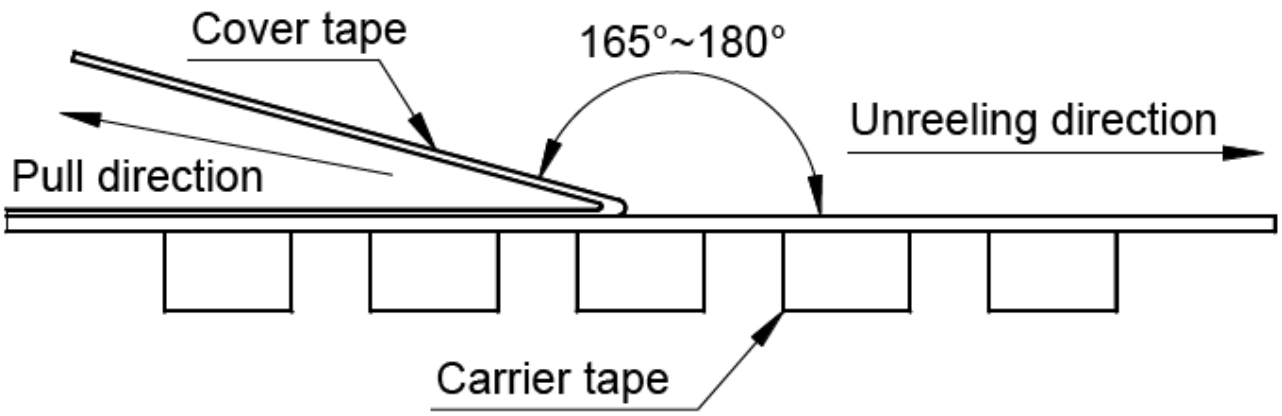


TYPE	W	W1	A	B	C	D
YLM7060	330±2.0	16.4±2.0	13.0±0.50	21.0±0.80	2.0±0.50	100Min

■ Direction of rolling



■ Cover tape peel off condition



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

Reference peel speed 300±10mm/min.

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