

Features

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

Applications

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

Product Identification

$\frac{\text{YLCM}}{(1)}$
 $\frac{\square\square\square\square}{(2)}$
 $\frac{-\square\square\square}{(3)}$
 $\frac{\text{T}}{(4)}$

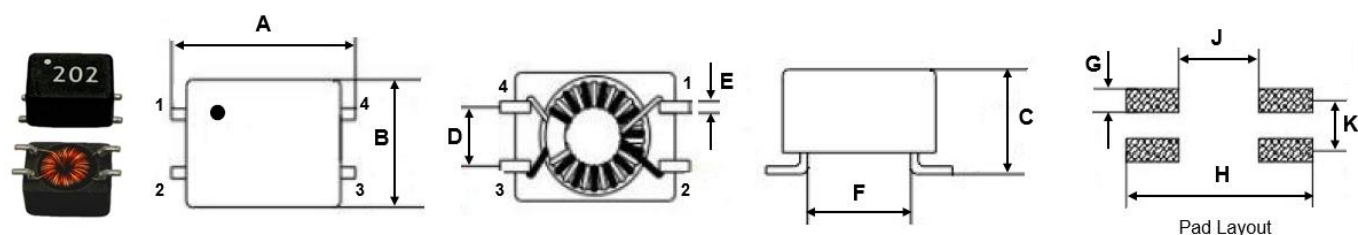
(1) : Type

(2) : Dimensions

(3) : Inductance Value

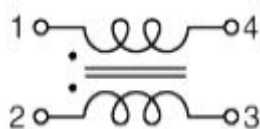
(4) : Taping

Shapes and Dimensions (Unit: mm)



TYPE	A Max.	B Max.	C Max.	D	E Typ.	F Typ.	G Typ.	H Typ.	J Typ.	K Typ.
YLCM0904	9.5	5.6	5.2	2.54±0.5	0.50	5.50	1.00	10.50	4.50	2.54

■ Circuit Diagram



■ Electrical Characteristic

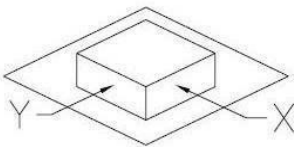
Part Number	Inductance L1-4=L2-3	Inductance Test Freq.	DCR 1-4=2-3 Max.	Rated Current Max.	Hi-Pot 1,4-2,3 3mA/3S	Mark	Winding
YLCM0904-202T	2.0mH±50%	100KHz/0.25V	420 mΩ	0.60 A	500 V	• 202	Bifilar

1. Rated Current: Temp.rise 40°C Typ
2. Operating Temperature: -40°C up to +125°C
3. Storage Temperature: 15°C up to 25°C, 65% RH max.
4. The temperature of electrical characteristic test is 25°C indoor temperature

■ Material List

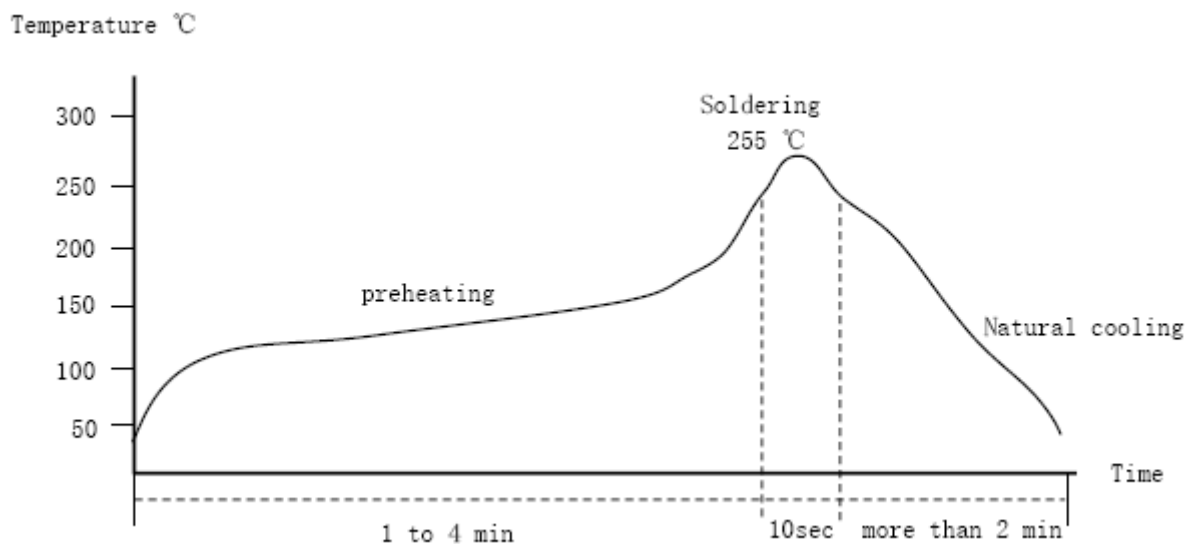
NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	PLASTIC+C5191(PIN)
3	WIRE	P180 Grd1
4	ADHESIVE	EPOXY RESIN
5	SOLDER	LEAD-FREE
6	INK	WHITE

■ Reliability Testing

Operating Temperature	- 40 to + 125 °C (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 / °C (- 20 ~ + 80 °C)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C 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	

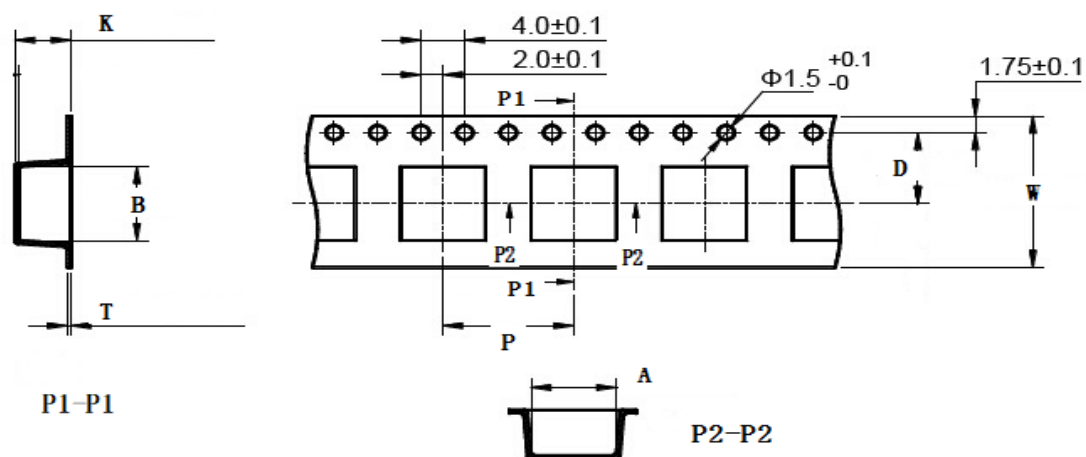
■ Recommended soldering temp.Graph

IR Reflow profile



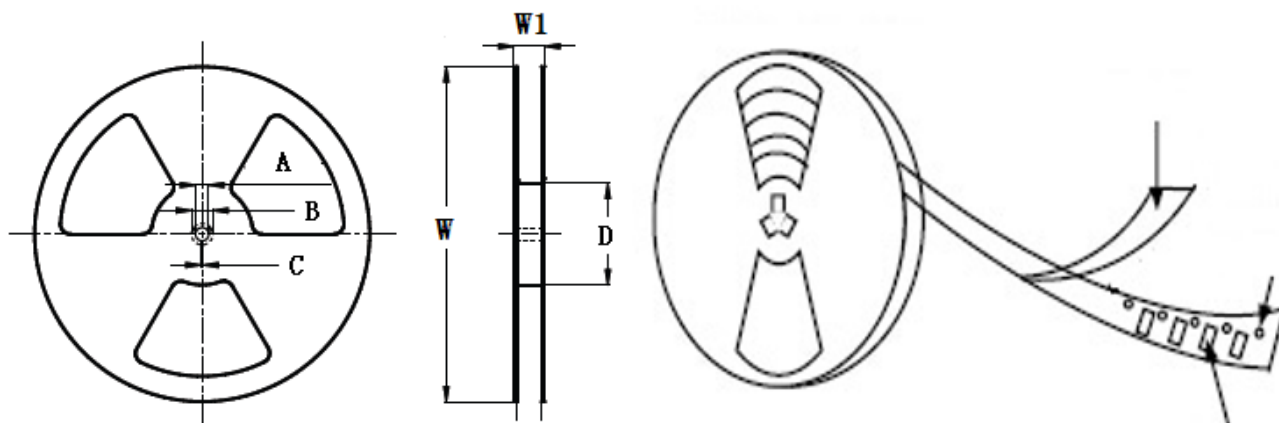
Temperature and humidity. After that,no mechanical and electrical defect should be found.

Taping Dimensions(Unit:mm)



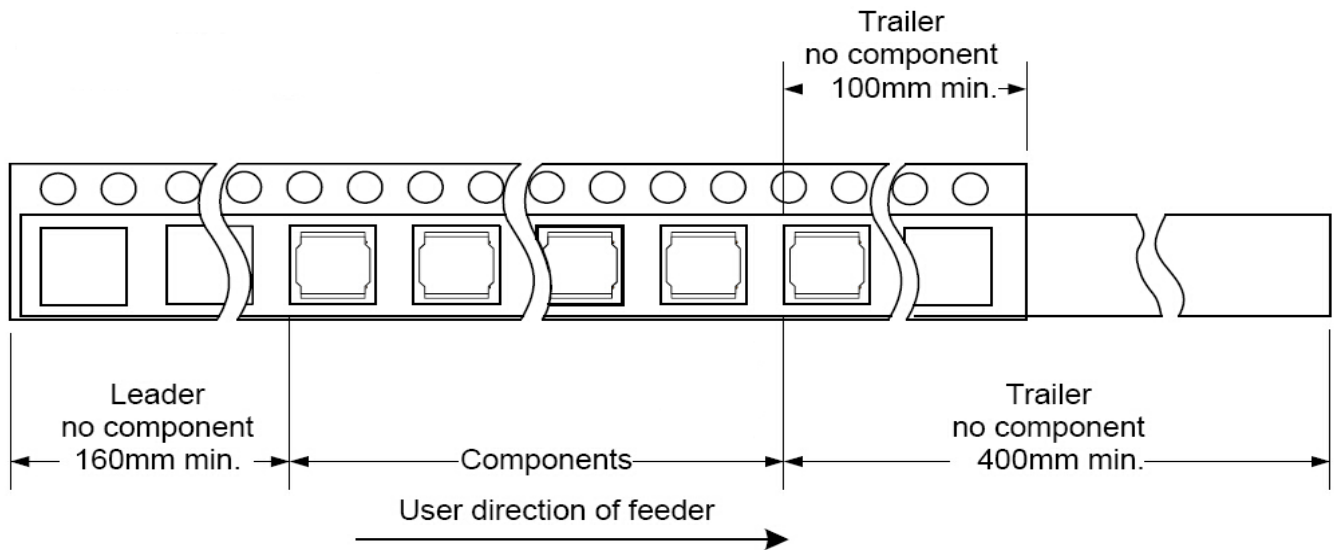
TYPE	W	A	B	D	P	K	T	MPQ
YLCM0904	16.0±0.3	6.4±0.3	6.4±0.1	7.5±0.1	8.0±0.1	5.0±0.1	0.40±0.05	1500

Reel Dimensions(Unit:mm)

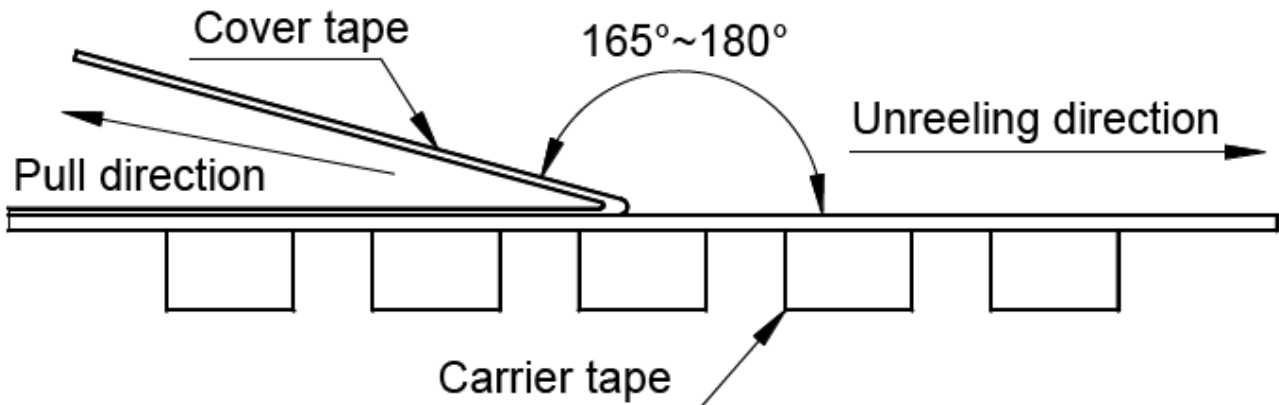


TYPE	W	W1	A	B	C	D
YLCM0904	330±2.0	24.4±1.5	30.4MAX	23.9 Min	13.0±0.50	21.0±0.80

■ 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.