

■ Features

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

■ Applications

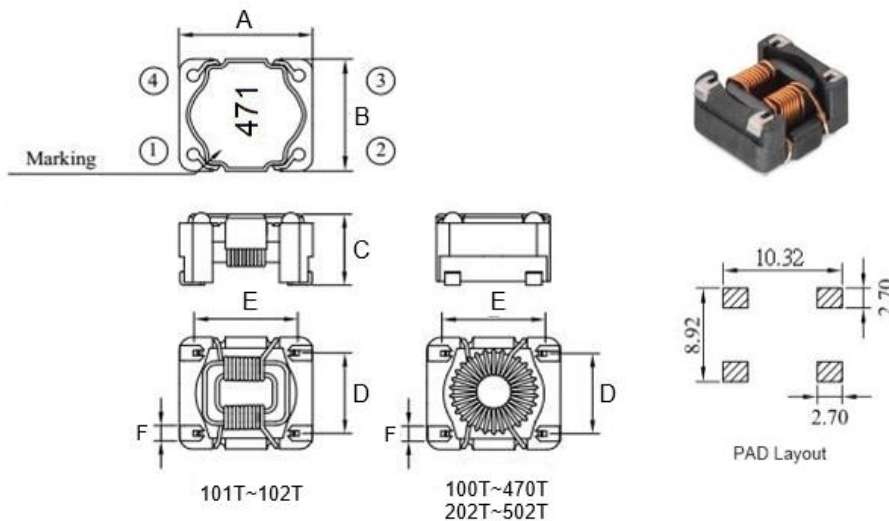
- LED Light, TV game, Monitor, etc.
- EMI common-mode noise.

■ Product Identification



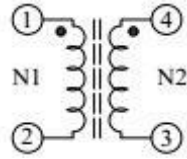
- (1) : Type
- (2) : Dimensions
- (3) : Inductance Value
- (4) : Taping

■ Shapes and Dimensions (Unit: mm)



TYPE	A	B	C Max	D	E	F
YLCM1006C	10.0±0.5	8.7±0.5	6.5	6.22±0.1	7.62±0.1	1.4 Ref

■ Circuit Diagram



■ YLCM1006C Series

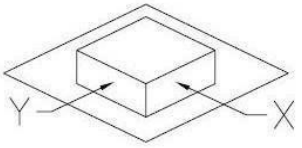
Part Number	Inductance L1=L2(μH) @100KHz/0.1V	DC Resistance (mΩ)Max.	Rated Current (A)Max.	Hi-Pot (Vac) 3mA/1S	Impedance (Ω)Min.	Freq. Range (MHz)
YLCM1006C-471T	470±40%	65	1.60	1000	900	2~40

1. Rated Current: Temp.rise 40°C Typ
2. Operating Temperature: -20°C up to +125°C
- 3.Storage Temperature: -20°C up to +40°C, 75% RH max.

■ Material List

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	DAP-WH9100
3	WIRE	P180 Grd1
4	SOLDER	Sn99.3:Cu0.7
5	ADHESIVE	XNR-3614
6	INK	WHITE

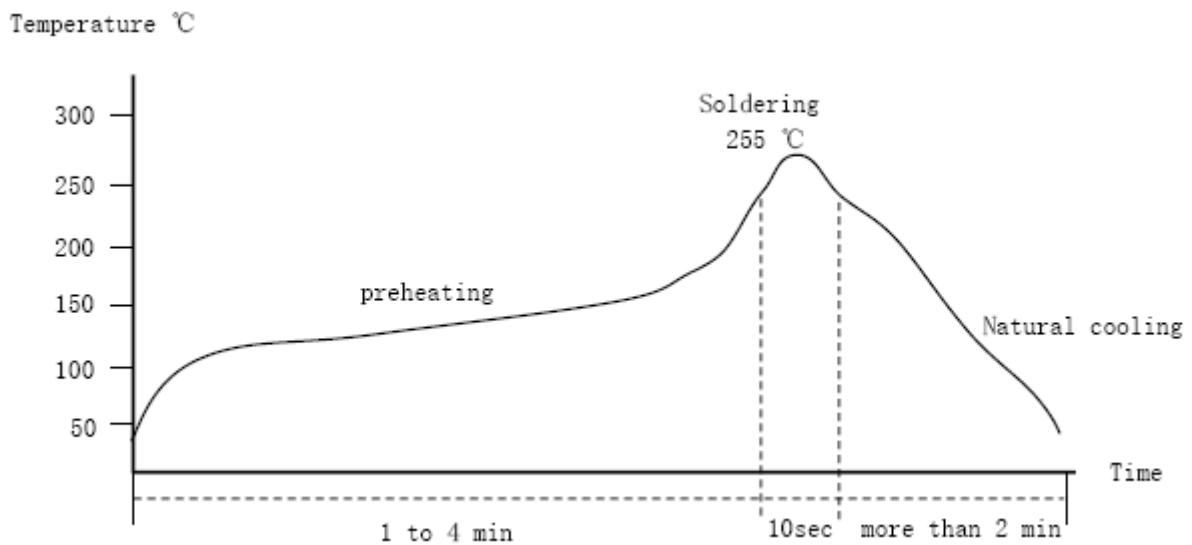
Reliability Testing

Operating Temperature	- 20 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 ~ + 125 °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

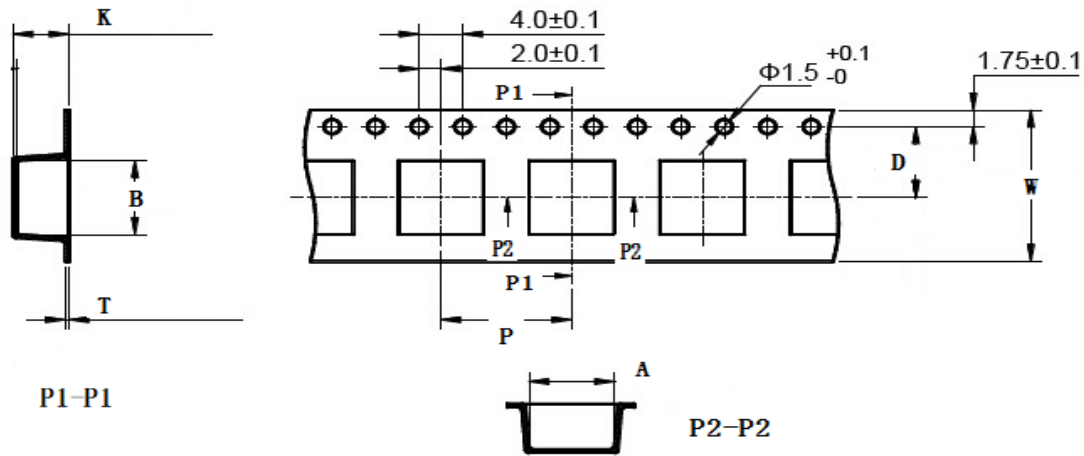
Recommended soldering temp.Graph

IR Reflow profile



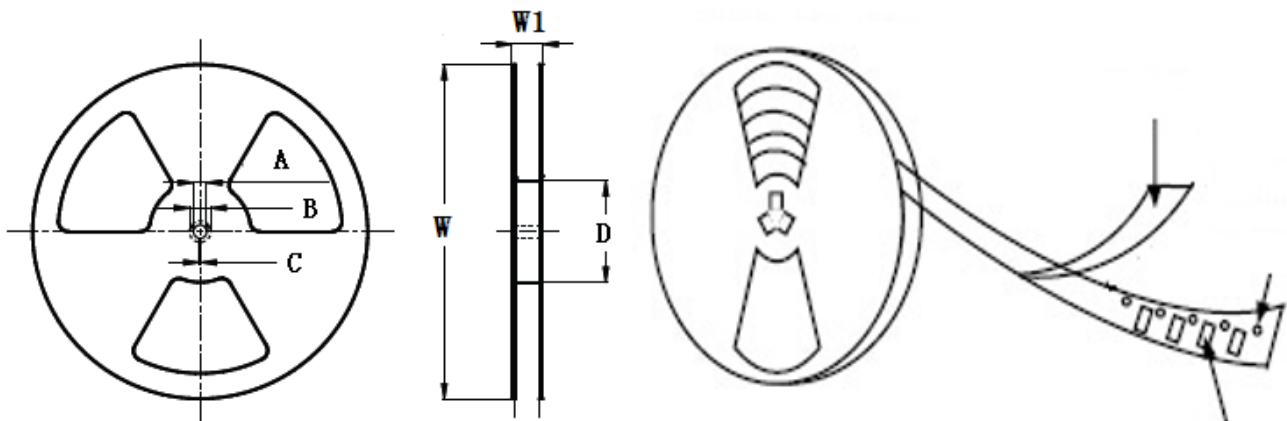
Temperature and humidity. After that,no mechanical and electrical defect should be found.

■ Taping Dimensions(Unit:mm)



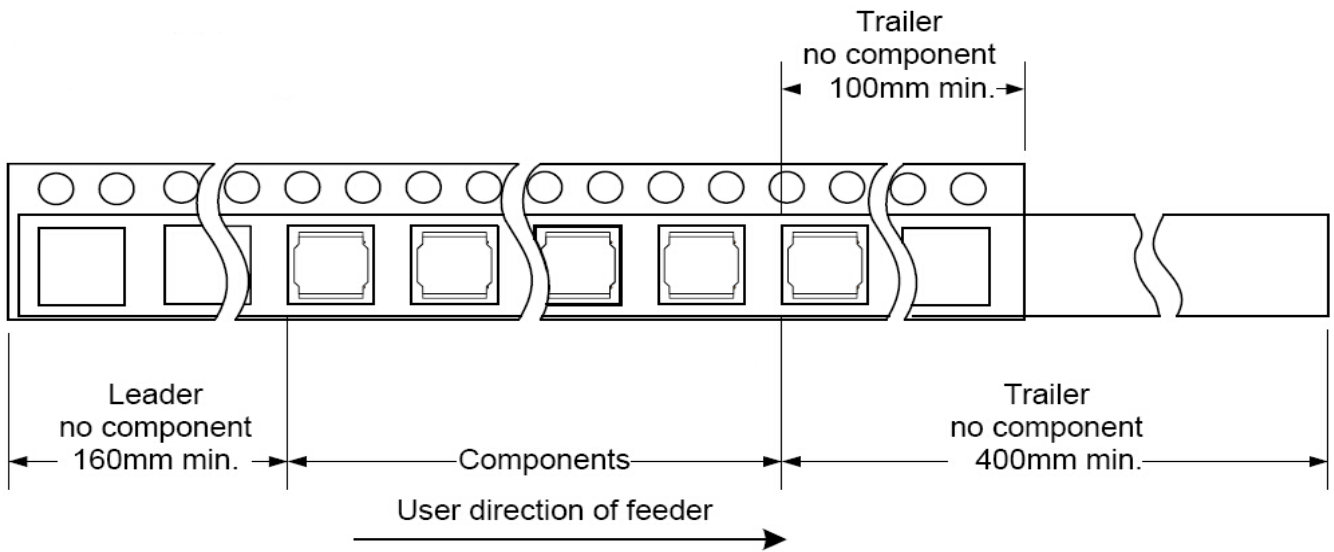
TYPE	W	A	B	D	P	K	T	MPQ
YLCM1006C	24.0±0.3	10.6±0.3	11.5±0.1	11.5±0.1	16±0.1	5.0±0.1	0.40±0.05	800

■ Reel Dimensions(Unit:mm)

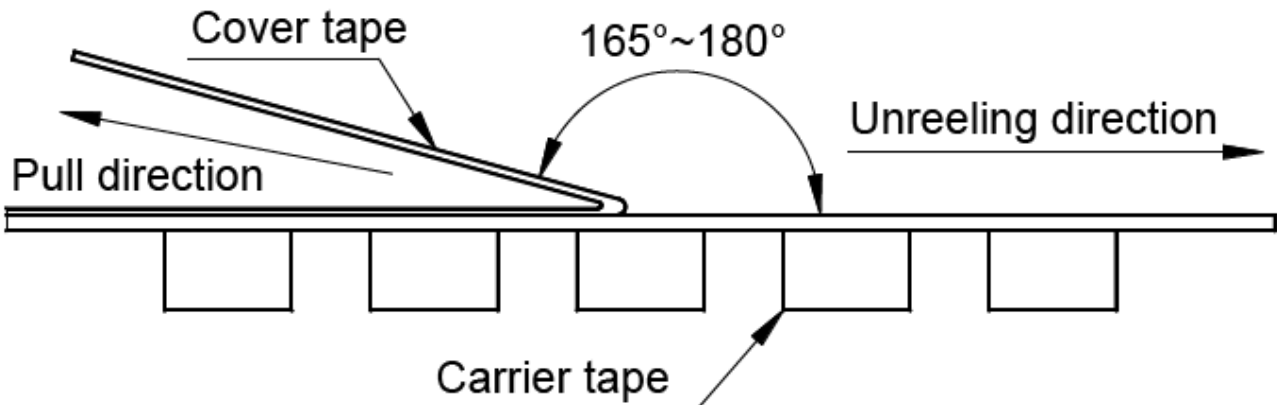


TYPE	W	W1	A	B	C	D
YLCM1006C	330±2.0	24.4±1.5	30.4MAX	23.9 Min	13.0±0.50	21.0±0.80

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.