

■ Features

- SMD construction, and low profile.
- High Impedance and Excellent Frequency Characteristic.
- Self Electromagnetic Shielding.
- Low Magnetic Flux Leakage.
- Operating temperature: -40°C to +125°C (Contain Heating coil)

■ Applications

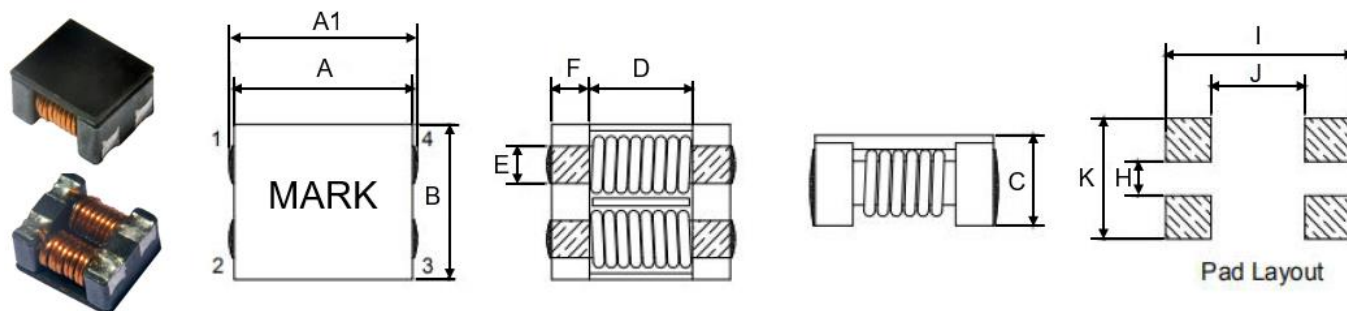
- LED Light, TV game, Monitor, etc.
- EMI common-mode noise.

■ Product Identification

YLCM □□□□□ - □□□ □
 (1) (2) (3) (4)

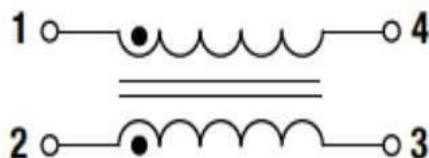
- (1) : Type
- (2) : Dimensions
- (3) : Impedance
- (4) : Taping

■ Shapes and Dimensions (Unit: mm)



TYPE	A	A1	B	C Max.	D Typ.	E Typ.	F Typ.	K Typ.	H Typ.	I Typ.	J Typ.
YLCM1211F	12.0±0.5	12.5±0.5	10.8±0.5	6.5	7.0	2.5	2.5	8.5	2.0	12.5	6.5

■ Circuit Diagram



■ YLCM1211F Series

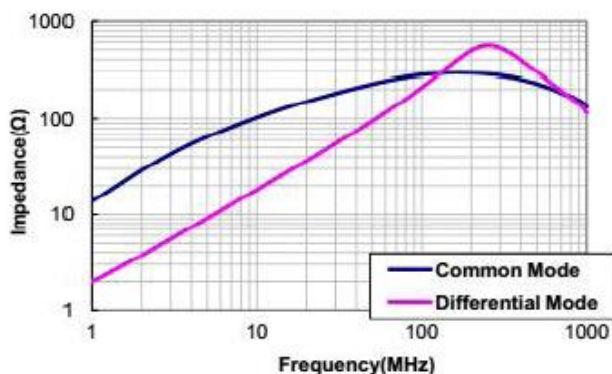
Part Number	Z (Ω)		Test Frequency	DCR (mΩ) Max.	Rated Current (A) max.	Rated Volt. (V)max.	IR 80V/3S (MΩ)min.
	Min.	Typ.					
YLCM1211F-800T	80	230	100MHz	2.0	10.0	125	10
YLCM1211F-301T	200	300	100MHz	4.0	9.0	125	10
YLCM1211F-501T	300	500	100MHz	5.5	8.0	125	10
YLCM1211F-701T	500	700	100MHz	6.0	8.0	125	10
YLCM1211F-801T	600	800	100MHz	8.0	8.0	125	10
YLCM1211F-102T	750	1000	100MHz	14.0	6.0	125	10
YLCM1211F-152T	1000	1500	100MHz	12.0	5.0	125	10
YLCM1211F-172T	1200	1700	100MHz	21.0	4.8	125	10
YLCM1211F-202T	2200	2500	100MHz	35.0	1.8	125	10
YLCM1211F-222T	2200	2500	100MHz	35.0	1.8	125	10
YLCM1211F-272T	2300	2700	100MHz	50.0	1.5	125	10

■ Material List

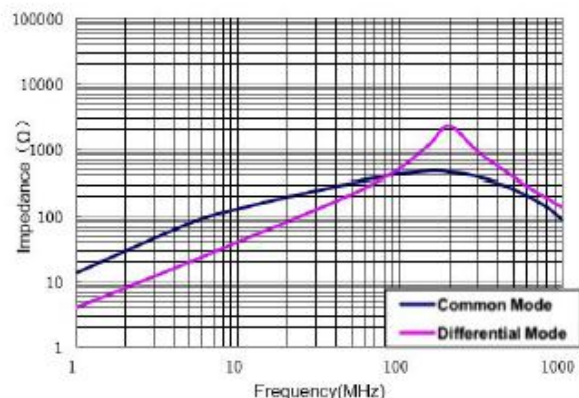
NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	COVER	LCP
3	WIRE	UEW-H
4	ADHESIVE	EPOXY RESIN
5	SOLDER	LEAD-FREE
6	INK	WHITE

■ Characteristics(Reference)

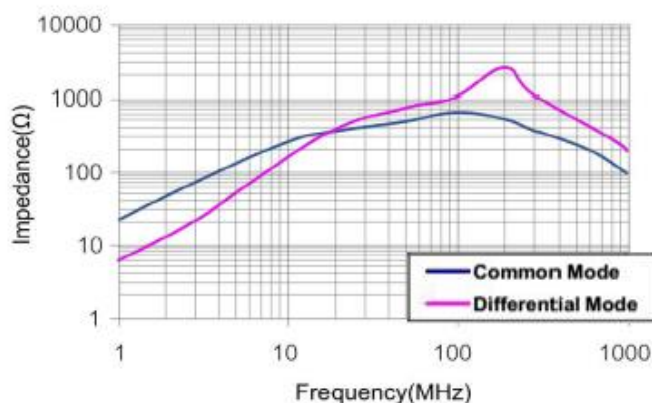
YLCM1211F-800T



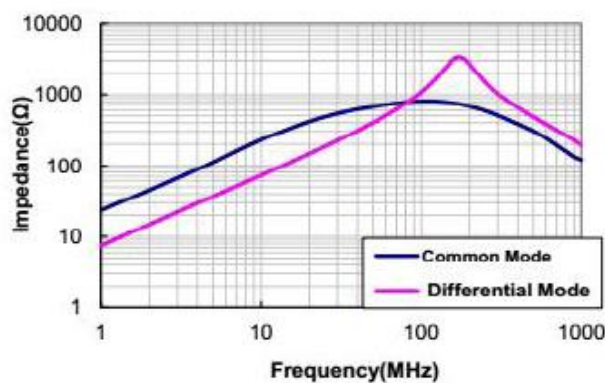
YLCM1211F-301T



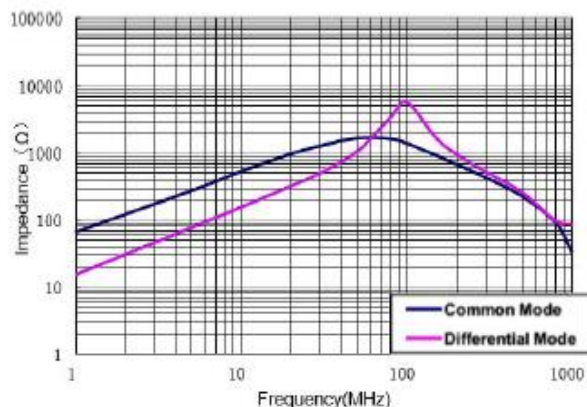
YLCM1211F-501T



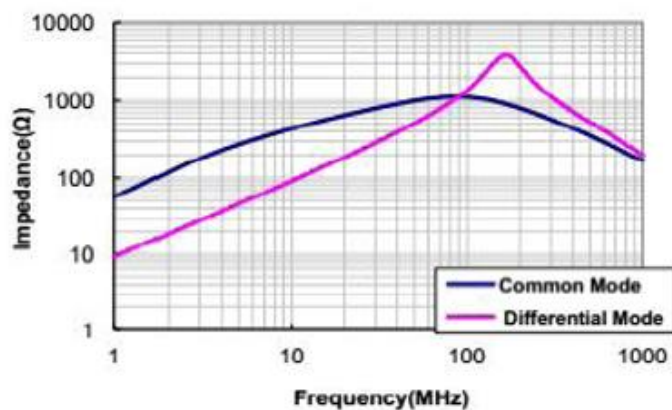
YLCM1211F-701T



YLCM1211F-801T

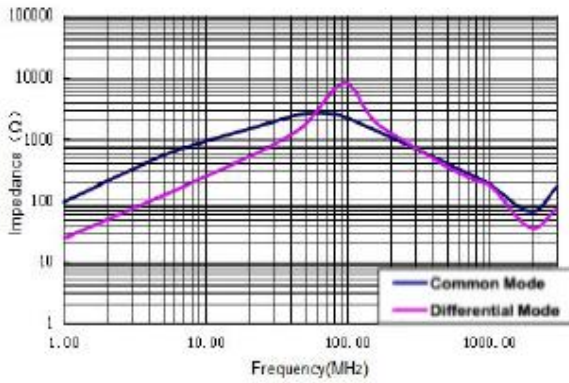


YLCM1211F-102T

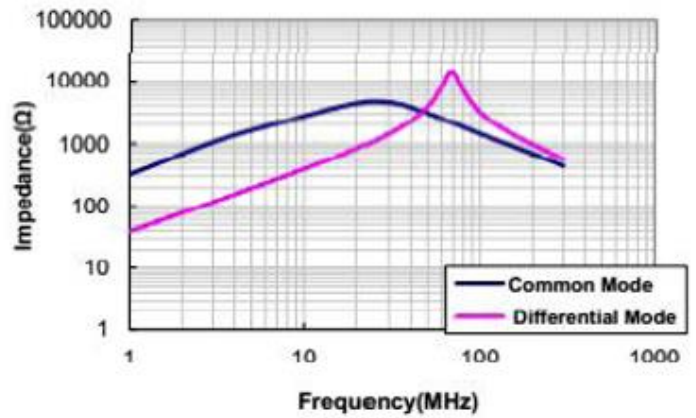


■ Characteristics(Reference)

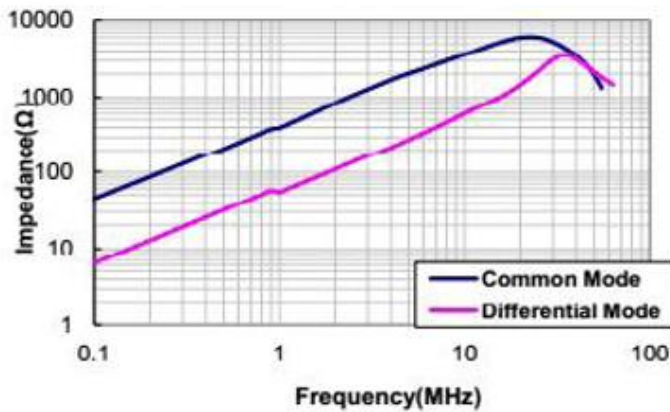
YLCM1211F-152T&172T



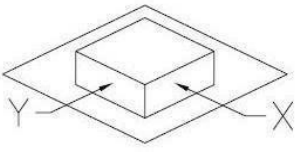
YLCM1211F-202T&222T



YLCM1211F-272T

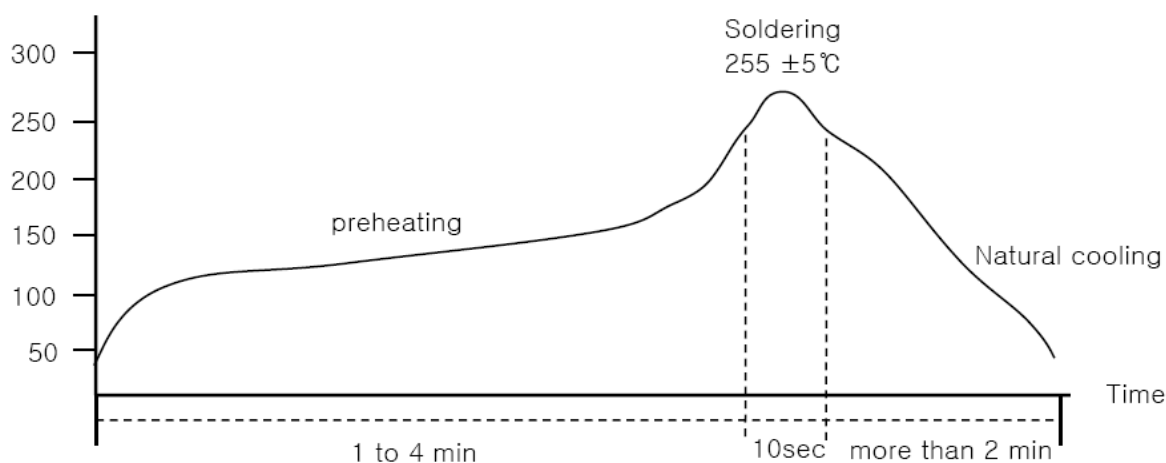


■ Reliability Testing

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 10 MΩ at 80V D.C . between wire and core .
Dielectric Strength	Apply at 0.5KV 1mA for 3S between wire and core .
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C (-40 ~ + 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	

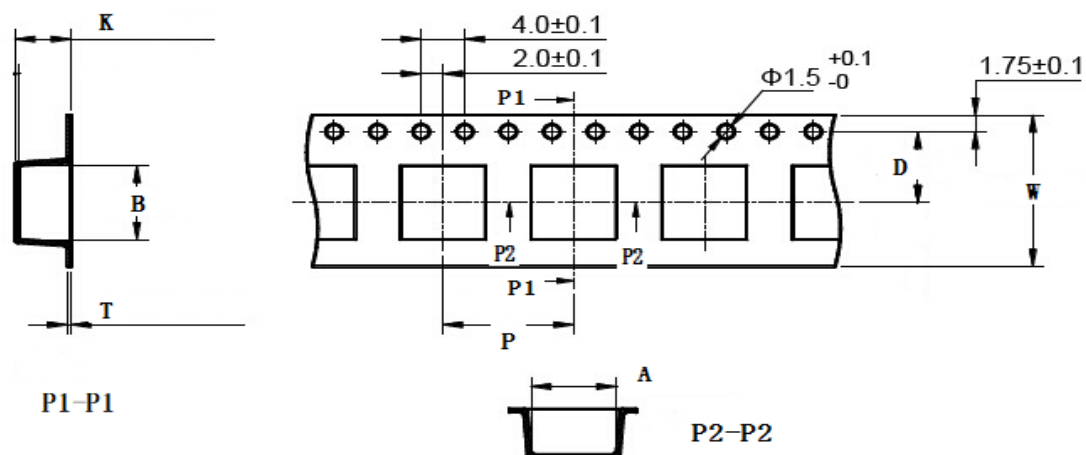
■ Recommended soldering temp.Graph

Temperature °C



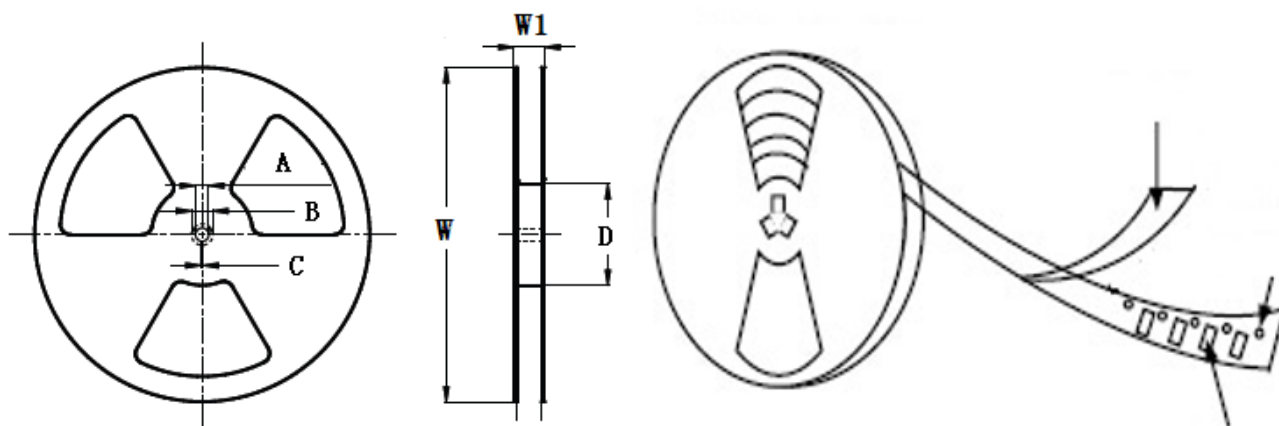
Temperature and humidity . After that , no mechanical and electrical defect should be found .

Taping Dimensions(Unit:mm)



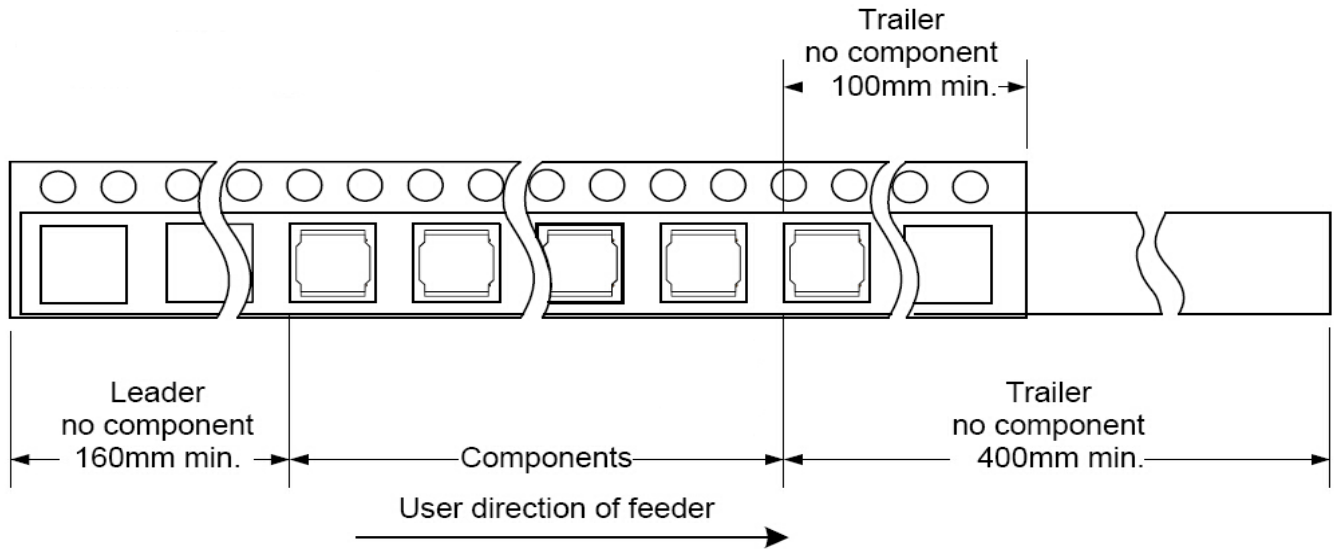
TYPE	W	A	B	D	P	K	T	MPQ
YLCM1211F	24.0±0.3	7.6±0.1	9.6±0.1	7.5±0.1	16.0±0.1	5.1±0.1	0.35±0.05	500

Reel Dimensions(Unit:mm)

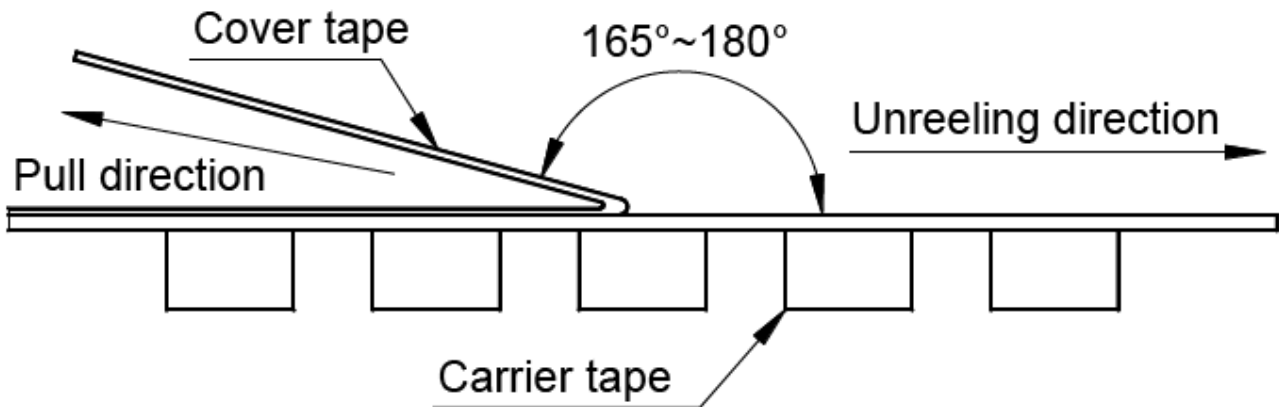


TYPE	W	W1	A	B	C	D
YLCM1211F	330±2.0	16.4±2.0	13.0±0.50	21.0±0.80	2.0±0.50	100Min

■ 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.