

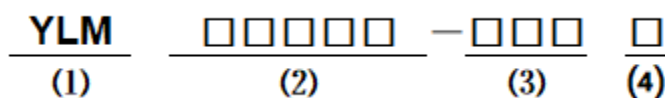
■ Features

- 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

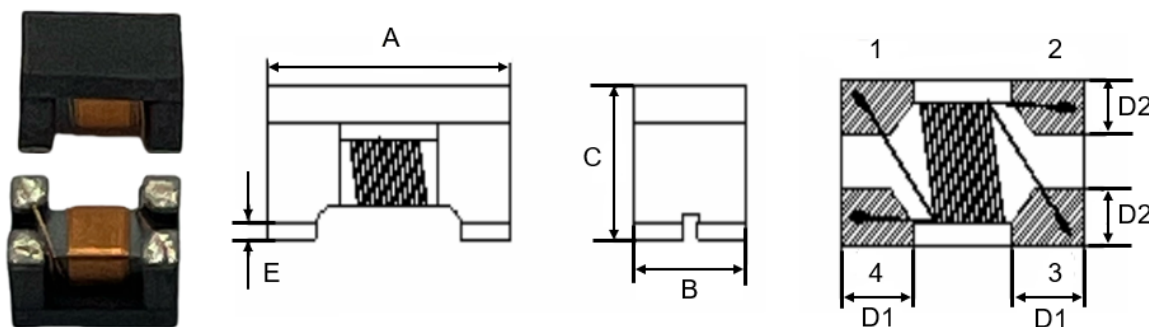
- YLM Series is suited for use on the USB2.0 line and IEEE1394 line of Notebook PC, LVDS lines of PC, LCD Monitor, PCI express, small digital AV equipment such as digital Camera and Free disk, MP3 player and Serial-ATA.
- LED Light, TV game, Monitor, etc.
- EMI common-mode noise.

■ Product Identification



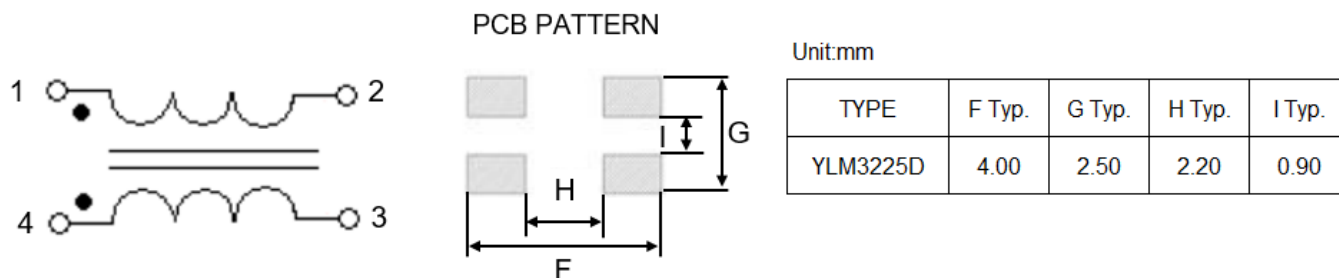
- (1) : Type
(2) : Dimensions
(3) : Impedance
(4) : Packaging

■ Shapes and Dimensions (Unit: mm)



TYPE	A	B	C	D1 Typ.	D2 Typ.	E
YLM3225D	3.2 ± 0.2	2.5 ± 0.2	2.15 ± 0.2	0.80	0.90	0.2 ± 0.1

■ Equivalent Circuit & Recommended Footprint



■ YLM3225D Series

Part Number	Common mode Impedance (Ω) @100MHz	DC Resistance (Ω) Max.	I _{rms} (mA) Max.	Rated Volt. (Vdc)Max.	IR(MΩ) Min.
YLM3225D-800T	80±25%	0.12	640	50	10
YLM3225D-161T	160±25%	0.15	480	50	10
YLM3225D-271T	270±25%	0.25	450	50	10
YLM3225D-501T	500±25%	0.30	1000	50	10
YLM3225D-601T	600±25%	0.20	1000	50	10
YLM3225D-801T	800±25%	0.35	350	50	10
YLM3225D-102T	1000±25%	0.35	480	50	10

1,Rating DC current:Temperature rise(ΔT) is 40°C approximately at I_{rms}.

2,Storage temp:-10°C ~ +40°C R.H.:65% Max.

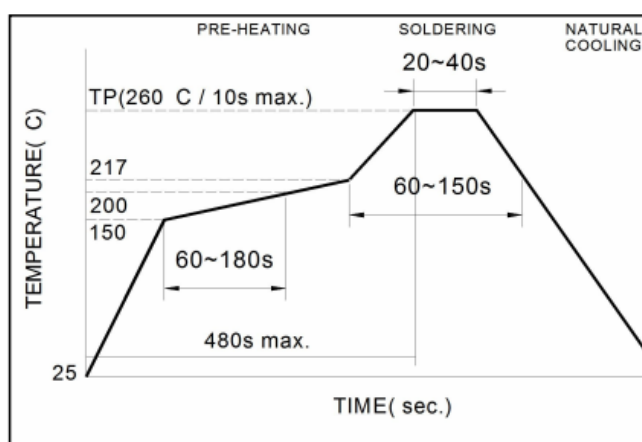
3,Moisture sensitivity level(MSL)2(1 year floor life at <30°C/65% relative humidity)

Material List

NO.	ITEM	DESCRIPTION	SUPPLIER
1	Upper Plate	Ferrite	Kokusun Or equivalent
2	CORE	Ferrite Core	Kokusun Or equivalent
3	WIRE	Enameled Copper Wire	Elektrisola Or equivalent

Soldering Conditions

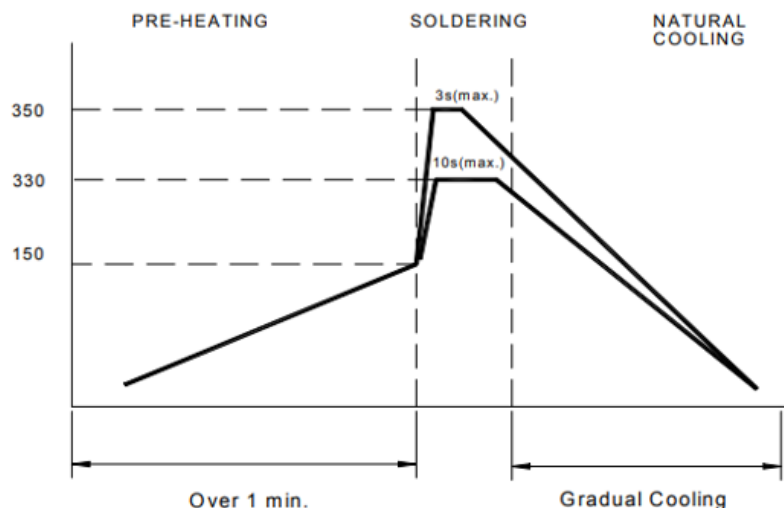
Figure 1:Re-flow Soldering(Lead Free)



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

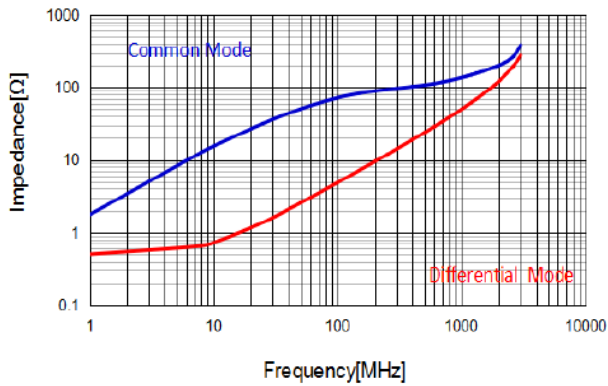


Note:

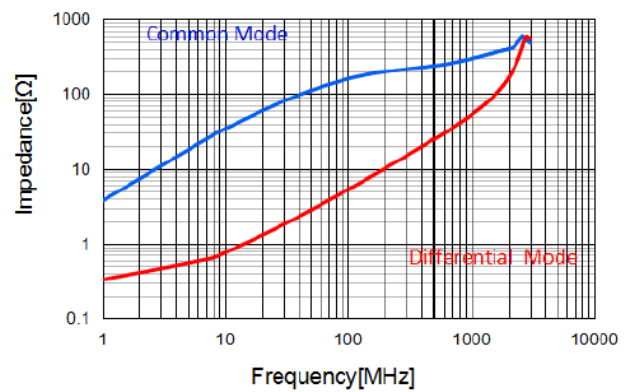
- ※ Use a 20 watt soldering iron with tip diameter of 1.0mm.
- ※ Limit soldering time 3 sec.

■ Electrical Characteristic Curve

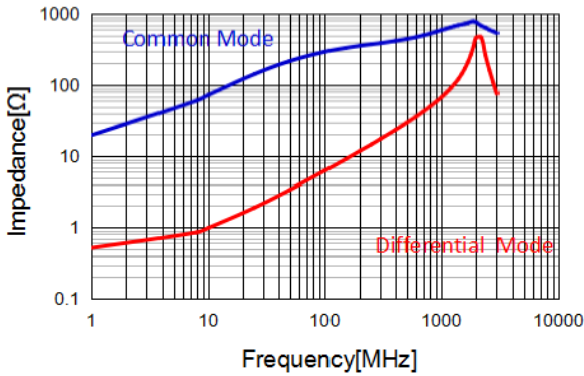
YLM3225D-800T



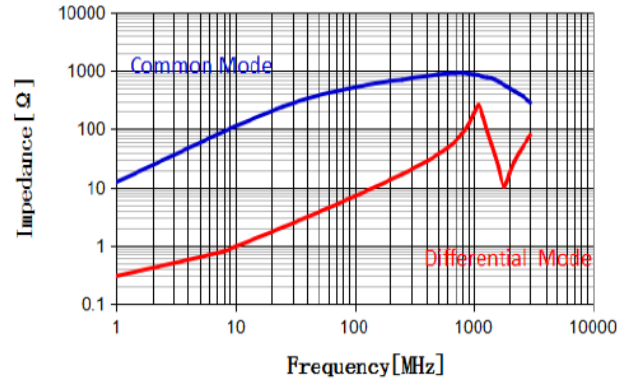
YLM3225D-161T



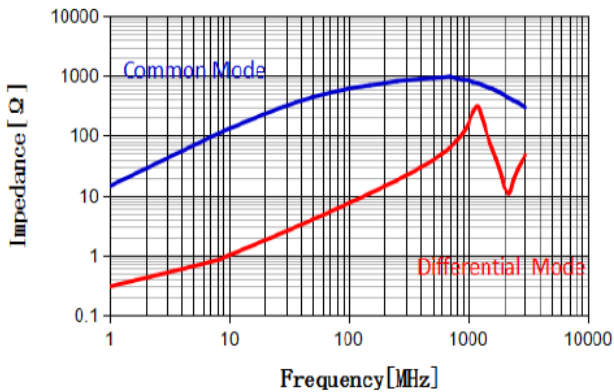
YLM3225D-271T



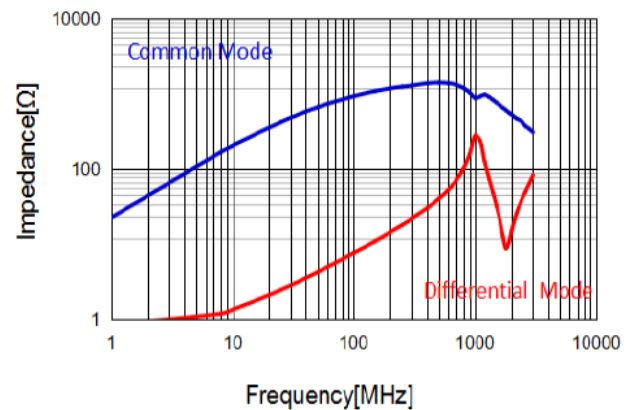
YLM3225D-501T



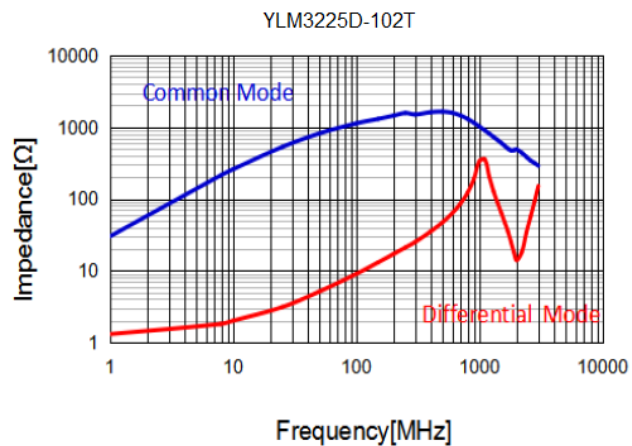
YLM3225D-601T



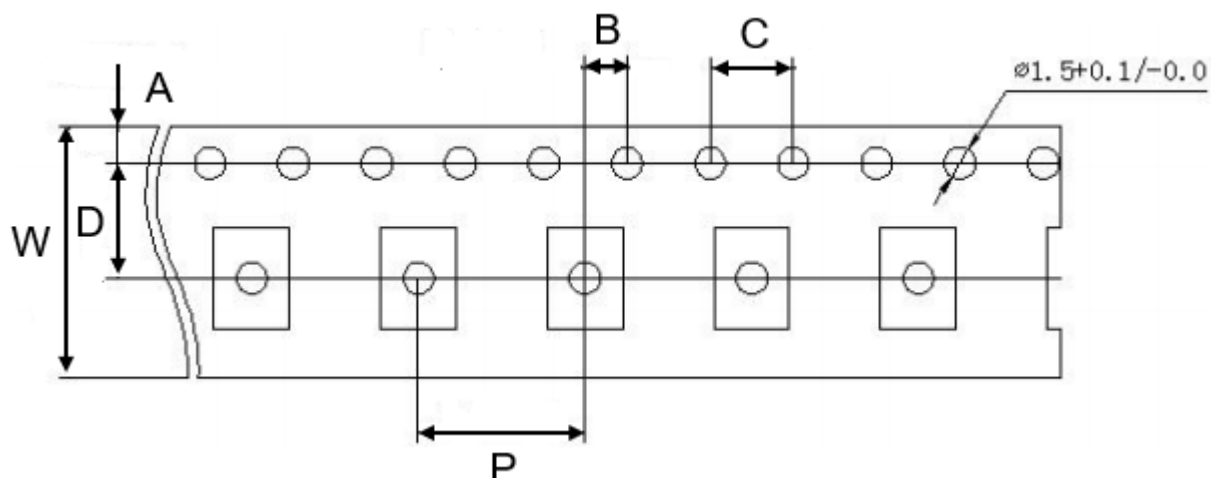
YLM3225D-601T



■ Electrical Characteristic Curve

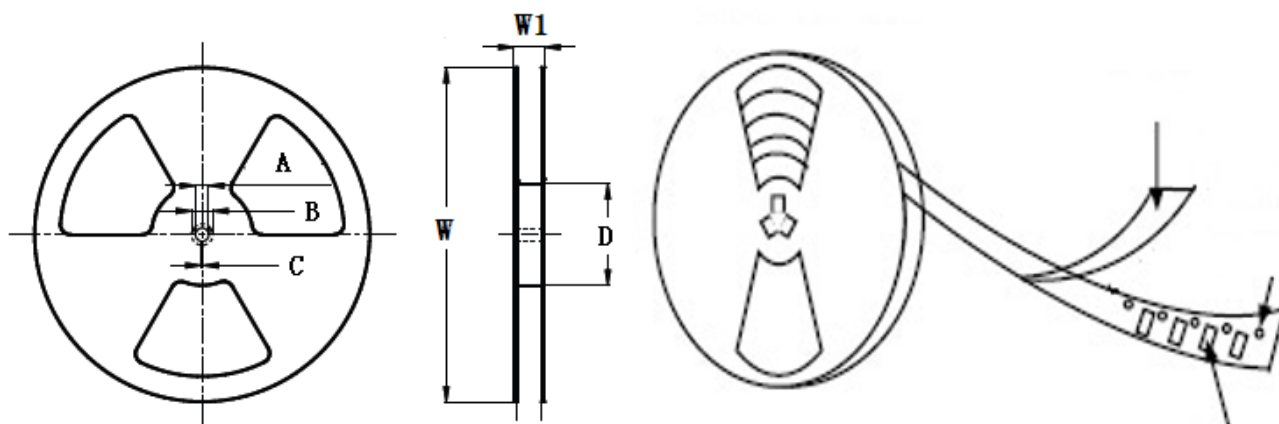


■ Taping Dimensions(Unit:mm)



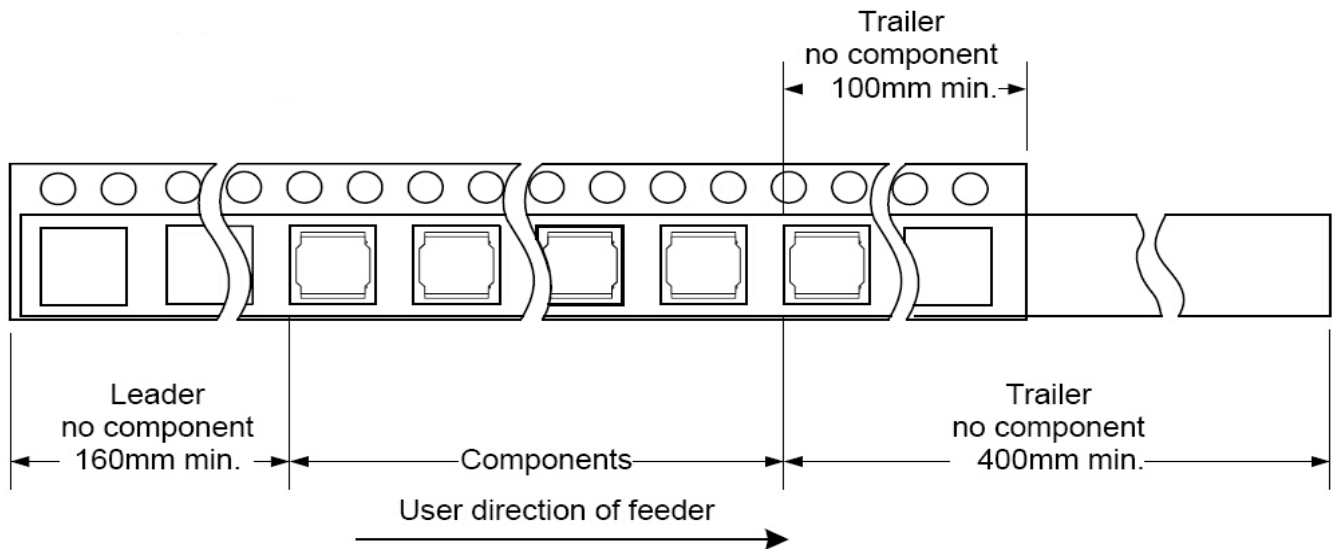
TYPE	W	A	B	C	D	P	MPQ
YLM3225D	12.0 ± 0.3	1.75 ± 0.1	2.0 ± 0.1	4.0 ± 0.1	5.5 ± 0.1	8.0 ± 0.1	1000

■ Reel Dimensions(Unit:mm)

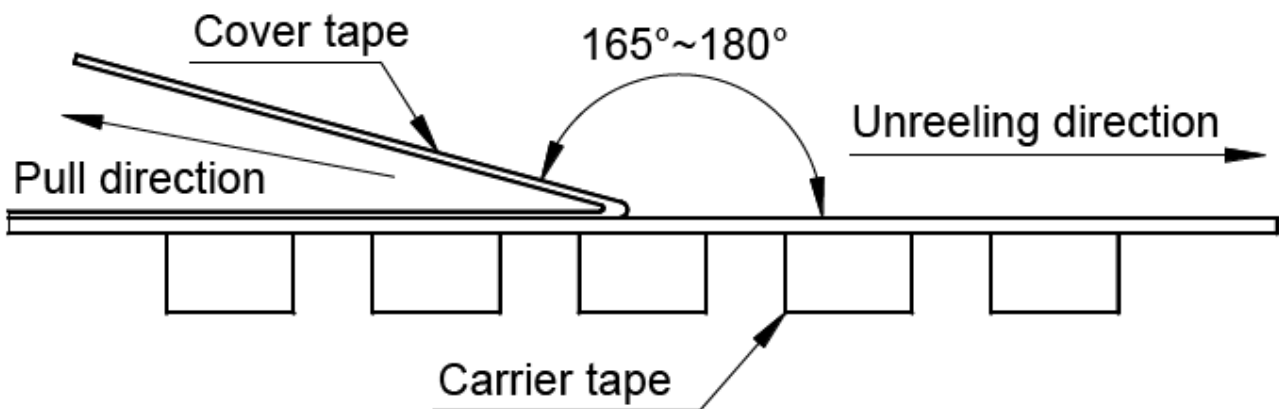


TYPE	W	W1	A	B	C	D
YLM3225D	178 ± 2.0	22.0 ± 2.0	13.0 ± 0.50	21.0 ± 0.80	2.0 ± 0.50	60.0 ± 2.0

■ Direction of rolling



■ Cover tape peel off condition



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

Reference peel speed 300±10mm/min.