

■ Features

- High energy storage capacity and low DCR.
- Ferrite bobbin core and low profile, small size.
- High heat resistance, ideal for re-flow soldering.
- High reliability.
- Operating temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.

■ Applications

- Portable communication equipment.
- Notebook PC, digital camera, LCD television set.
- Power supply for VTR, OA equipment.
- DC/DC converters.

■ Product Identification

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

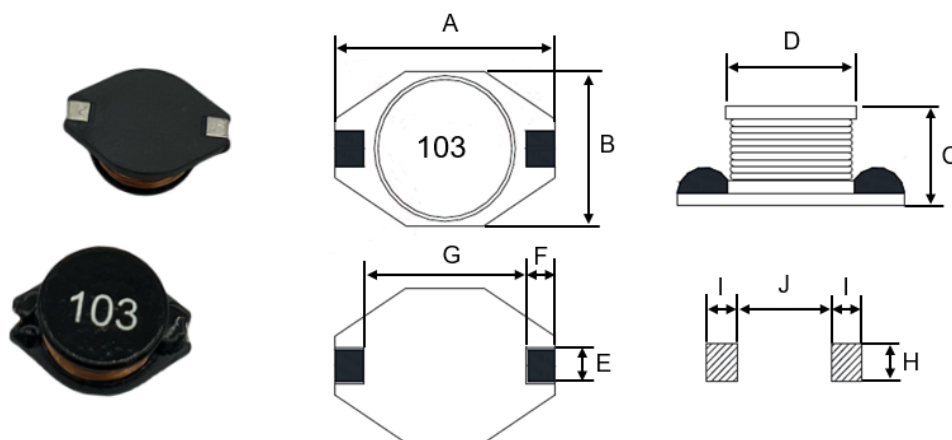
(1) : Type

(2) : Dimensions

(3) : Inductance value

(4) : Inductance Tolerance; N= $\pm 30\%$, M= $\pm 20\%$

■ Shapes and Dimensions (Unit: mm)



TYPE	A Max.	B Max.	C Max.	D	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.	J Ref.
YPO5022	18.80	15.50	7.11	12.70 ± 0.30	2.54	2.54	12.70	2.79	2.92	12.45

■ Electrical Characteristics

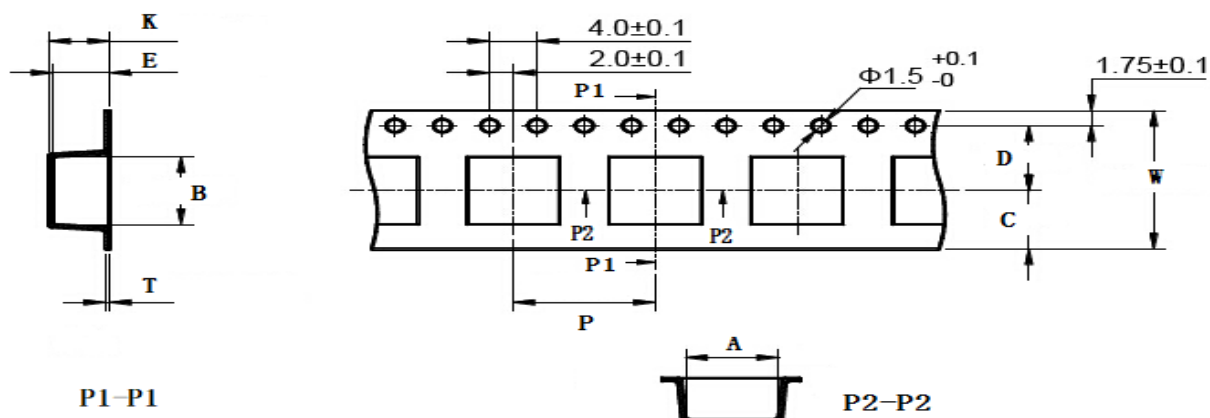
Part Number	Inductance (uH)	Test Freq.	DCR MAX.(Ω)	ISat Max. (A)
YPO5022-103M	10mH±20%	1KHz/0.25V	14.2	0.35

- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 25°C)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 25°C)
- ※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Material List

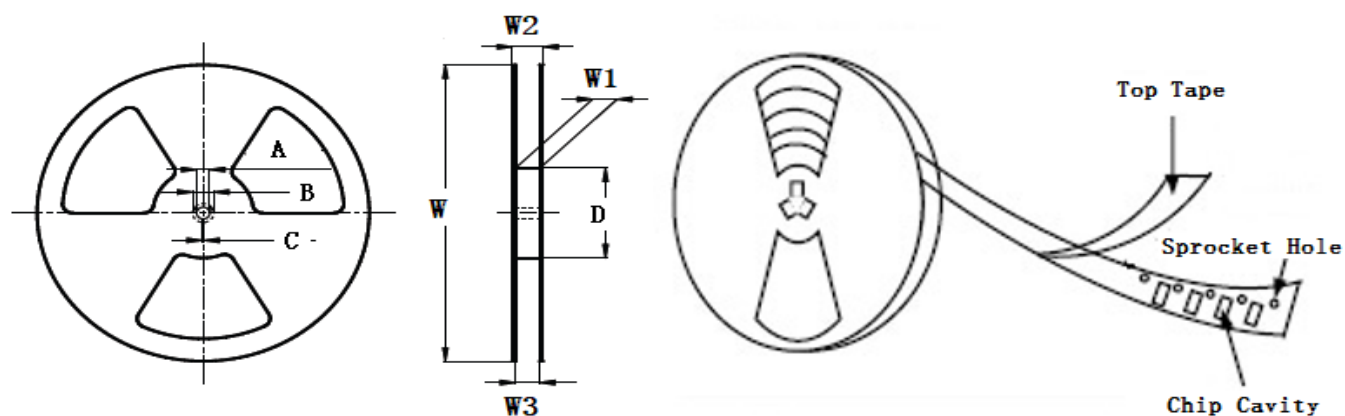
NO.	ITEM	MATERIAL DESCRIPTION	SUPPLIER	REMARK
1	CORE	H5022	HUICI	or Equivalent
2	WIRE	2UEWH	PACIFIC	or Equivalent
3	BASE	BASE001	WGJ	or Equivalent
4	EPOXY	WK-1000	WELL	or Equivalent
5	SOLDER	SN99.3CU0.7	XINJINCHUN	or Equivalent

■ Taping Dimensions(Unit:mm)



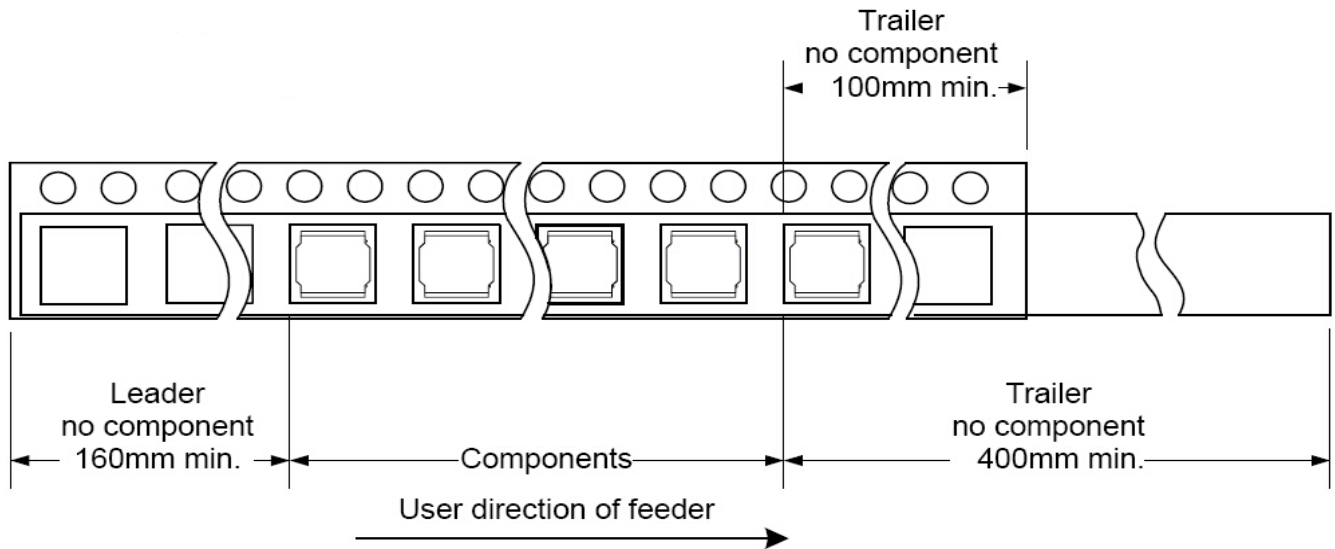
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YPO5022	32±0.3	15.7±0.1	18.95±0.1	16.05	14.2±0.1	7.20±0.1	20±0.1	7.40	0.35±0.05	500

■ Reel Dimensions(Unit:mm)

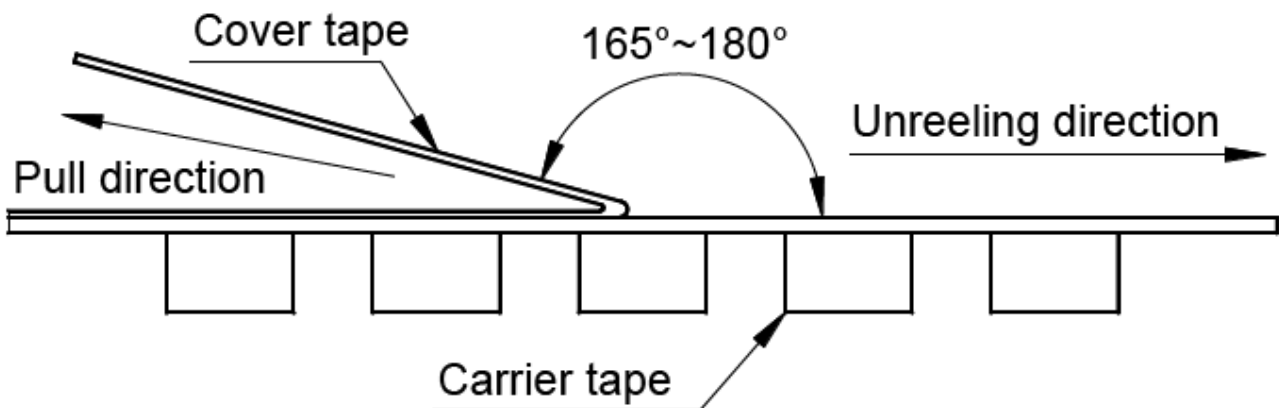


TYPE	W	W1	W2	W3	A	B	C	D
YPO5022	330±2.0	32.4±1.50	38.4MAX	31.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ 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.