SMD Power Inductors
-YSPI2213TY Series

■ Features

- Molding Inductor.
- Low Profile,Low Temp.
- Large Current(Over 15A).
- Customize For Different Need.
- Operating temperature:-55℃ ~ +125℃.

■ Applications

- General Electronic.
- Video Device,TV,TFT.
- Power Module for PC.
- NB/Lap Top Computer.
- Server,VGA Card/Module.

■ Product Identification

YSPI □□□□□□ − □□□ □

(1) (2) (3) (4)

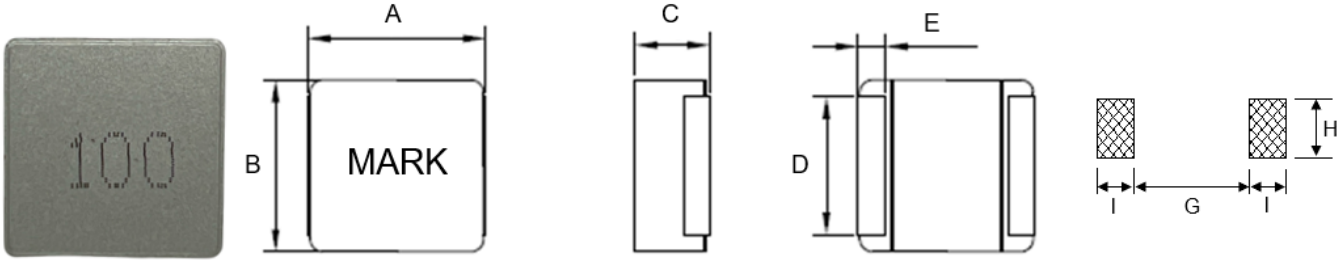
(1)： Type

(2)： Dimensions

(3)： Inductance value

(4)： Inductance Tolerance：N=±30%,M=±20%

■ Shapes and Dimensions (Unit：mm)



TYPE	A	B	C Max.	D	E	G Ref.	H Ref.	I Ref.
YSPI2213TY	22.5±0.5	22.0±0.3	13.0	18.6±0.3	5.0±0.4	11.5	20.0	6.4

■ YSPI2213TY Series

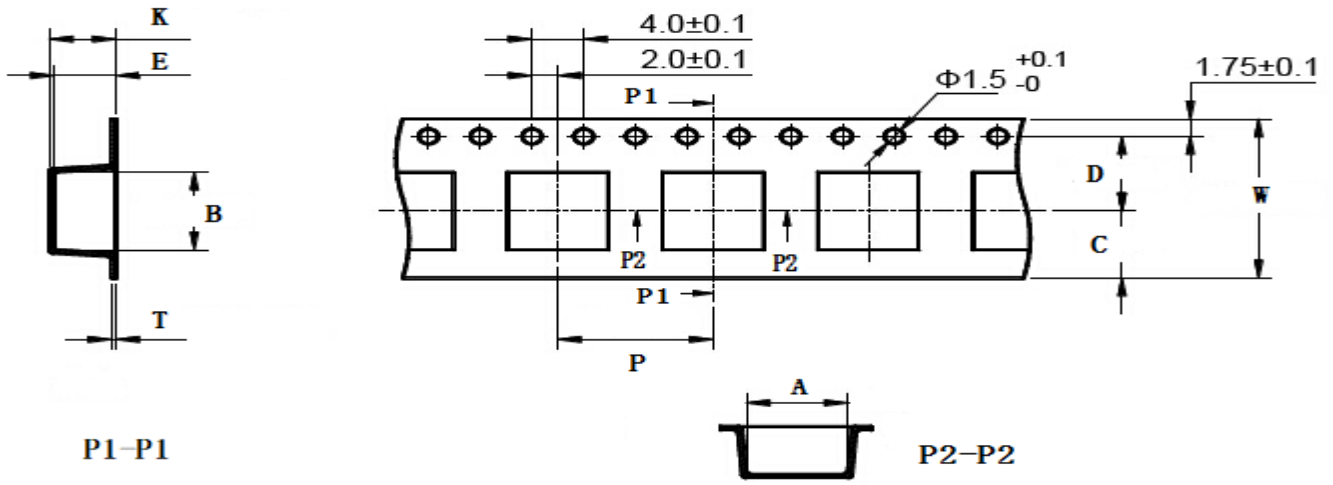
Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI2213TY-1R0M	1.0±20%	0.85	0.89	69.0	71.0
YSPI2213TY-1R5M	1.5±20%	0.90	1.20	65.0	53.0
YSPI2213TY-2R2M	2.2±20%	1.10	1.25	58.0	48.0
YSPI2213TY-3R3M	3.3±20%	1.40	1.80	49.0	41.0
YSPI2213TY-4R7M	4.7±20%	1.70	1.84	47.0	37.0
YSPI2213TY-5R6M	5.6±20%	2.00	2.50	40.0	36.5
YSPI2213TY-6R8M	6.8±20%	2.90	3.09	36.0	36.0
YSPI2213TY-100M	10±20%	3.80	4.14	28.0	28.0
YSPI2213TY-150M	15±20%	5.50	6.11	23.5	24.0
YSPI2213TY-220M	22±20%	9.00	10.80	17.5	16.0
YSPI2213TY-330M	33±20%	14.50	15.40	15.5	15.5
YSPI2213TY-470M	47±20%	16.30	17.70	13.5	10.0
YSPI2213TY-560M	56±20%	23.00	28.00	13.0	11.0
YSPI2213TY-680M	68±20%	31.50	38.00	12.5	13.0
YSPI2213TY-750M	75±20%	30.00	32.35	12.0	12.0
YSPI2213TY-820M	82±20%	31.50	34.20	10.2	9.0
YSPI2213TY-101M	100±20%	37.60	39.40	9.1	7.0
YSPI2213TY-151M	150±20%	68.00	80.00	6.0	8.0 Drop 30%
YSPI2213TY-201M	200±20%	92.00	105.00	5.0	7.0 Drop 30%
YSPI2213TY-221M	220±20%	108.00	125.00	4.5	6.0 Drop 30%
YSPI2213TY-401M	400±20%	208.00	230.00	4.0	6.0 Drop 30%

※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)

※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)

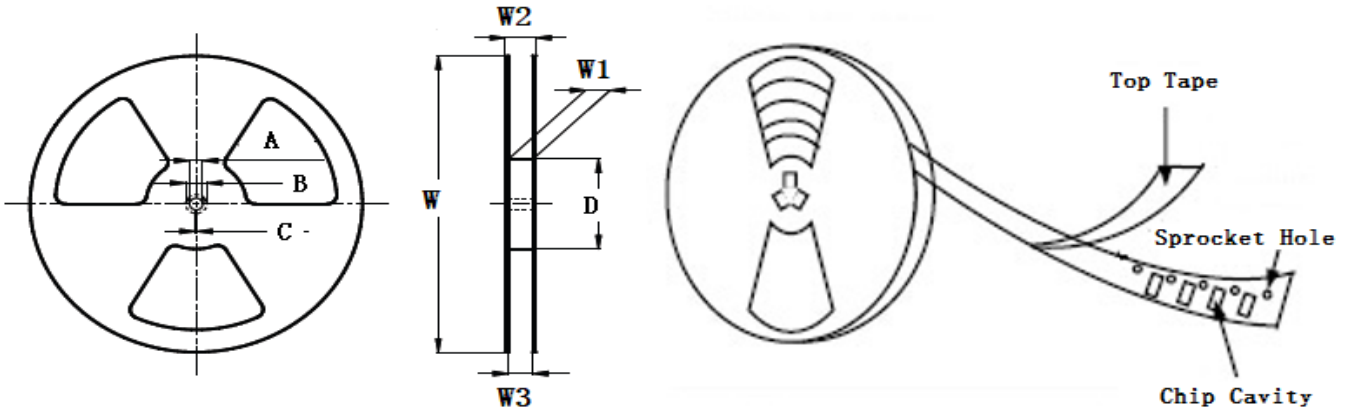
※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



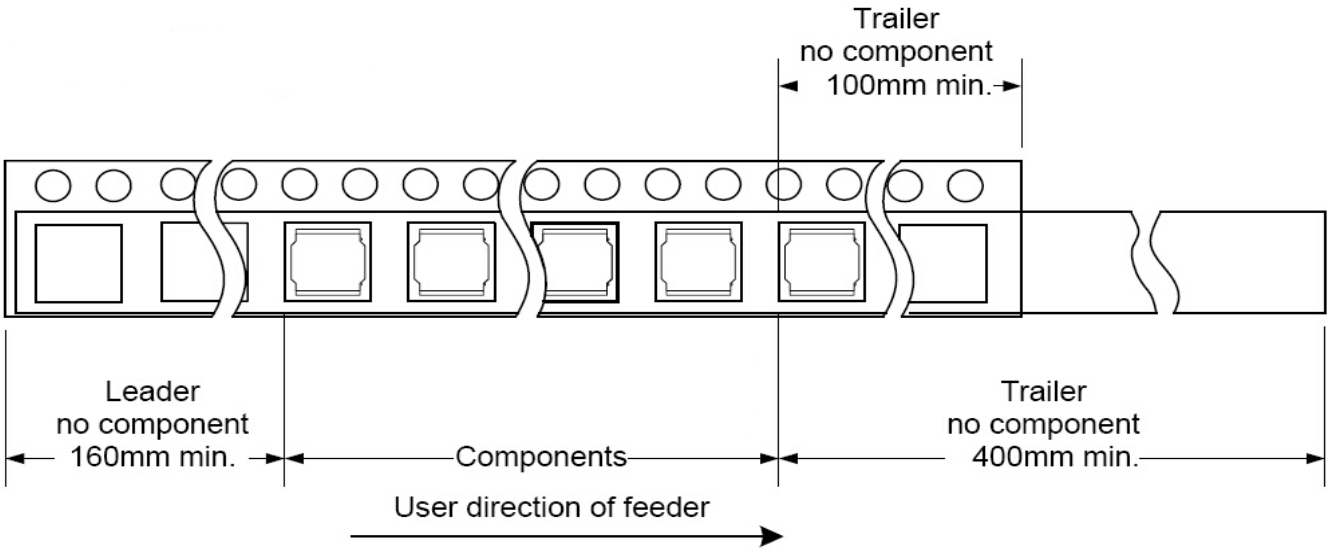
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPI2213TY	44±0.3	22.5±0.1	23.0±0.1	20.5	22.5±0.1	13.6±0.1	32±0.1	13.5	0.50±0.05	100

■ Reel Dimensions(Unit:mm)

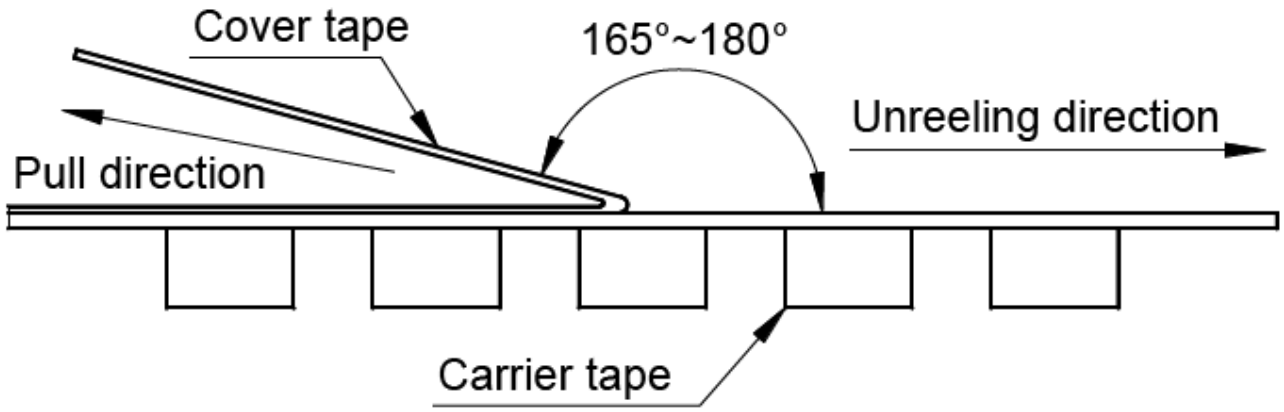


TYPE	W	W1	W2	W3	A	B	C	D
YSPI2213TY	330±2.0	43.5±1.5	49.0MAX	44.5 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ 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.