

■ Features

- Molding Inductor.
- Low Profile,Low Temp.
- Large Current(Over 15A).
- Customize For Different Need.
- Operating temperature:-40℃ ~ +125℃.

■ Applications

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

■ Product Identification

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

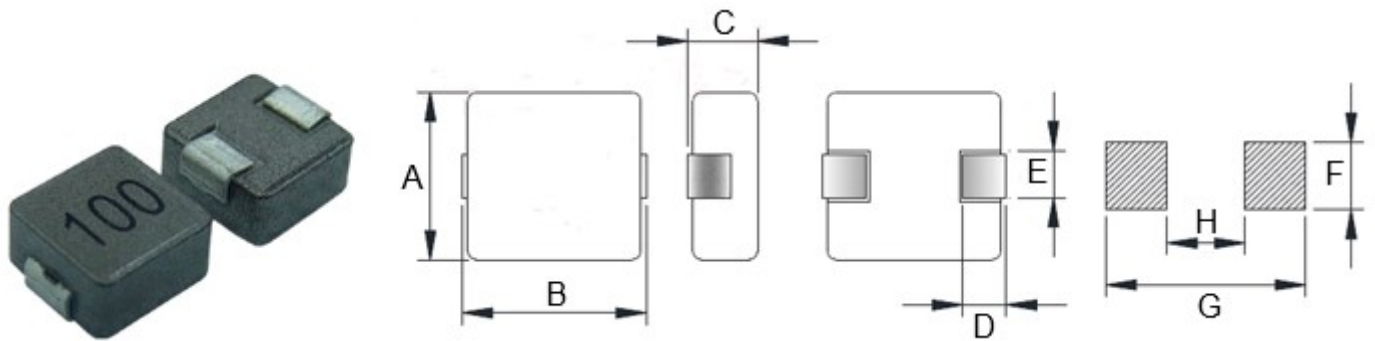
(1) : Type

(2) : Dimensions

(3) : Inductance value

(4) : Inductance Tolerance: N=±30%,M=±20%, K=±10%

■ Shapes and Dimensions (Unit: mm)



TYPE	A	B	C Max.	D	E Ref.	F Ref.	G Ref.	H Ref.
YSPI0630A	6.6±0.5	7.1±0.5	3.0	1.5±0.5	3.0±0.3	3.4	7.3	3.7

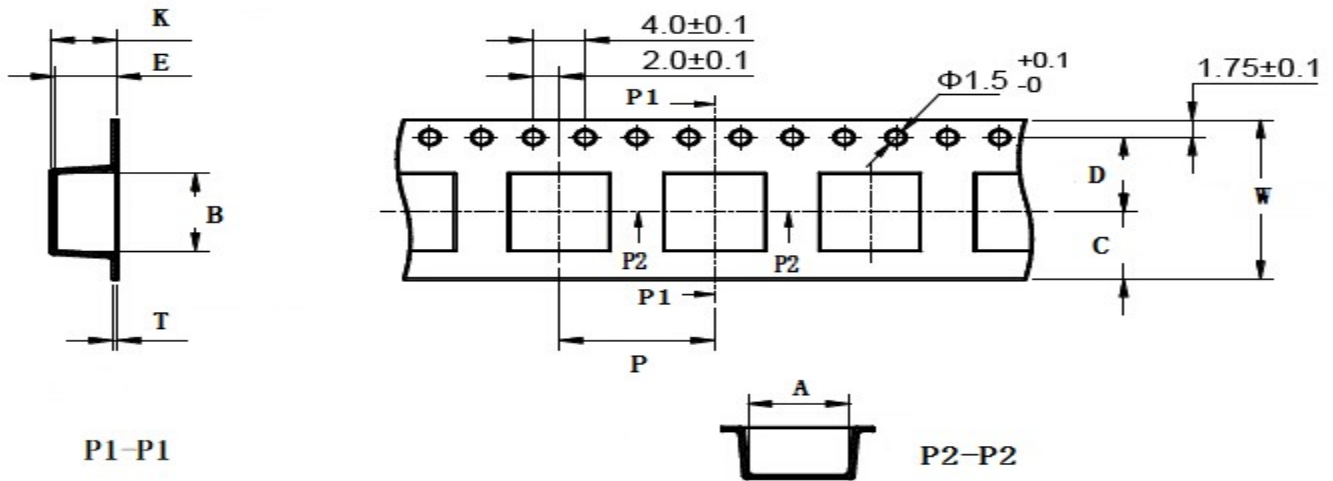
■ YSPI0630A Series

Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI0630A-R10□	0.10	1.5	1.7	32.5	60.0
YSPI0630A-R15□	0.15	1.9	2.5	26.0	52.0
YSPI0630A-R22□	0.22	2.3	2.9	23.0	40.0
YSPI0630A-R33□	0.33	3.2	4.2	20.0	33.0
YSPI0630A-R47□	0.47	3.6	5.5	16.5	27.0
YSPI0630A-R56□	0.56	4.3	5.7	16.5	25.5
YSPI0630A-R68□	0.68	5.7	7.4	15.5	25
YSPI0630A-R82□	0.82	6.7	8.0	13.0	24.0
YSPI0630A-1R0□	1.00	9.0	10.0	12.0	22.0
YSPI0630A-1R5□	1.50	10.5	15.0	9.5	18.0
YSPI0630A-2R2□	2.20	12.5	20.0	8.5	14.0
YSPI0630A-3R3□	3.30	20.0	35.0	6.0	12.0
YSPI0630A-4R7□	4.70	28.0	40.0	5.5	9.0
YSPI0630A-5R6□	5.60	34.0	45.0	5.5	8.0

Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI0630A-6R8□	6.80	40.0	60.0	4.5	7.0
YSPI0630A-8R2□	8.20	54.0	68.0	4.5	6.0
YSPI0630A-100□	10.0	60.0	102	4.0	5.5
YSPI0630A-150□	15.0	98.0	122	3.0	5.0
YSPI0630A-220□	22.0	130	145	3.0	3.2
YSPI0630A-330□	33.0	209	270	2.0	3.0

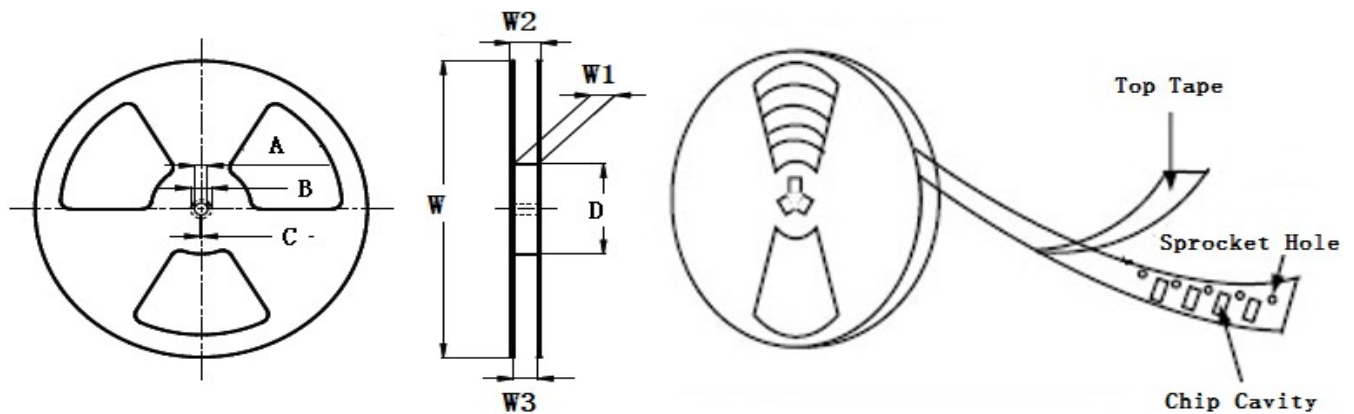
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20°C)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)
- ※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPI0630A	16 \pm 0.3	7.1 \pm 0.1	7.30 \pm 0.1	6.75	7.5 \pm 0.1	3.4 \pm 0.1	12 \pm 0.1	3.2	0.40 \pm 0.05	1000

■ Reel Dimensions(Unit:mm)



TYPE	W	W1	W2	W3	A	B	C	D
YSPI0630A	330 \pm 2.0	16.4 \pm 2.00	22.4MAX	15.9 Min	13.0 \pm 0.50	21.0 \pm 0.80	2.0 \pm 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 ± 10 mm/min.

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