

■ 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

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

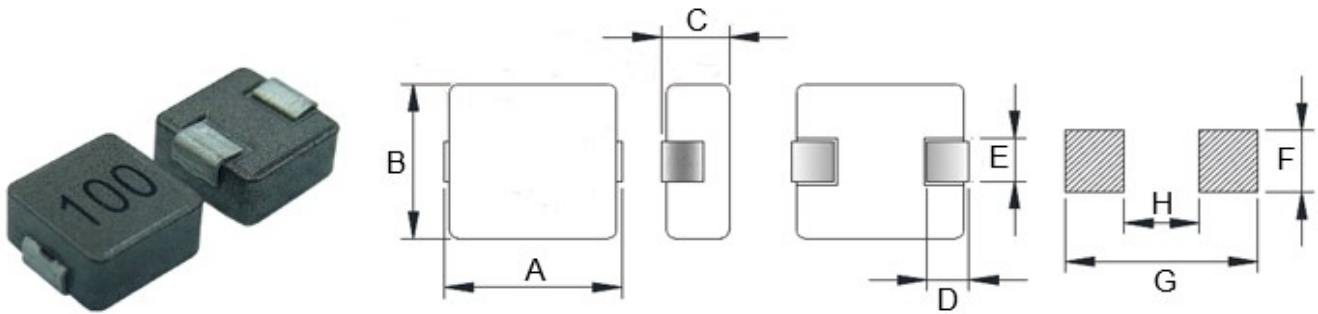
(1) : Type

(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. |
|----------|---------|---------|--------|---------|---------|--------|--------|--------|
| YSPI0730 | 7.3±0.5 | 6.6±0.5 | 3.0 | 1.5±0.5 | 3.0±0.3 | 3.4 | 7.3 | 3.7 |

■ YSPI0730 Series

| Part Number | Inductance (uH) @100KHz | DC Resistance (mΩ) | | Heat Rating Current (A) | Saturation Current (A) |
|---------------|----------------------------|--------------------|------|----------------------------|---------------------------|
| | | Typ. | Max. | | |
| YSPI0730-R10□ | 0.10 | 1.5 | 1.7 | 32.5 | 60.0 |
| YSPI0730-R15□ | 0.15 | 1.9 | 2.5 | 26.0 | 52.0 |
| YSPI0730-R22□ | 0.22 | 2.3 | 2.9 | 23.0 | 40.0 |
| YSPI0730-R33□ | 0.33 | 3.2 | 4.2 | 20.0 | 33.0 |
| YSPI0730-R47□ | 0.47 | 3.6 | 5.5 | 16.5 | 27.0 |
| YSPI0730-R56□ | 0.56 | 4.3 | 5.7 | 16.5 | 25.5 |
| YSPI0730-R68□ | 0.68 | 5.7 | 7.4 | 15.5 | 25 |
| YSPI0730-R82□ | 0.82 | 6.7 | 8.0 | 13.0 | 24.0 |
| YSPI0730-1R0□ | 1.00 | 9.0 | 10.0 | 12.0 | 22.0 |
| YSPI0730-1R5□ | 1.50 | 10.5 | 15.0 | 9.5 | 18.0 |
| YSPI0730-2R2□ | 2.20 | 12.5 | 20.0 | 8.5 | 14.0 |
| YSPI0730-3R3□ | 3.30 | 20.0 | 35.0 | 6.0 | 12.0 |
| YSPI0730-4R7□ | 4.70 | 28.0 | 40.0 | 5.5 | 9.0 |

| Part Number | Inductance (uH) @100KHz | DC Resistance (mΩ) | | Heat Rating Current (A) | Saturation Current (A) |
|---------------|----------------------------|--------------------|------|----------------------------|---------------------------|
| | | Typ. | Max. | | |
| YSPI0730-5R6□ | 5.60 | 34.0 | 45.0 | 5.5 | 8.0 |
| YSPI0730-6R8□ | 6.80 | 40.0 | 60.0 | 4.5 | 7.0 |
| YSPI0730-8R2□ | 8.20 | 54.0 | 68.0 | 4.5 | 6.0 |
| YSPI0730-100□ | 10.0 | 60.0 | 102 | 4.0 | 5.5 |
| YSPI0730-150□ | 15.0 | 98.0 | 122 | 3.0 | 5.0 |
| YSPI0730-220□ | 22.0 | 130 | 145 | 3.0 | 3.2 |
| YSPI0730-330□ | 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)



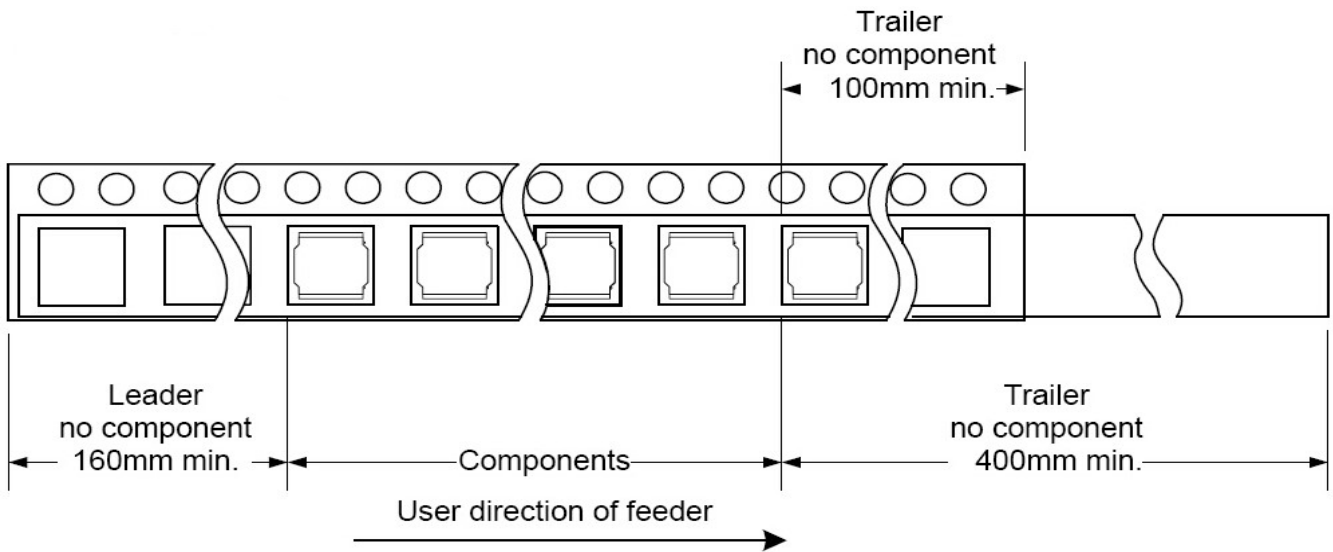
| TYPE | W | A | B | C | D | E | P | K Ref | T | MPQ |
|----------|--------|---------|----------|------|---------|---------|--------|-------|-----------|------|
| YSPI0730 | 16±0.3 | 7.1±0.1 | 7.30±0.1 | 6.75 | 7.5±0.1 | 3.4±0.1 | 12±0.1 | 3.2 | 0.40±0.05 | 1000 |

■ Reel Dimensions(Unit:mm)



| TYPE | W | W1 | W2 | W3 | A | B | C | D |
|----------|---------|-----------|---------|----------|-----------|-----------|----------|---------|
| YSPI0730 | 330±2.0 | 16.4±2.00 | 22.4MAX | 15.9 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.

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