

■ 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

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

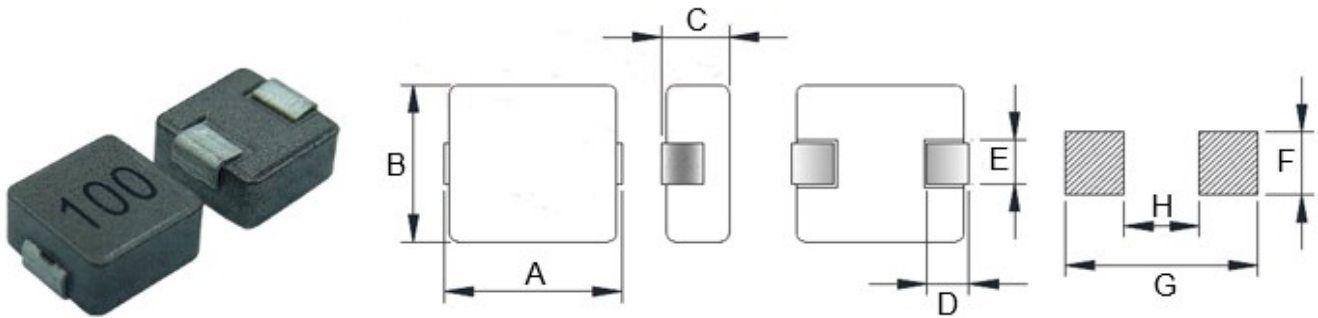
(1) : Type

(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. |
|----------|----------|----------|--------|---------|---------|--------|--------|--------|
| YSPI1040 | 11.5±0.5 | 10.0±0.5 | 4.0 | 2.0±0.5 | 3.0±0.5 | 4.1 | 13.6 | 5.4 |

■ YSPI1040 Series

| Part Number | Inductance (uH) @100KHz | DC Resistance (mΩ) | | Heat Rating Current (A) | Saturation Current (A) |
|---------------|----------------------------|--------------------|-------|----------------------------|---------------------------|
| | | Typ. | Max. | | |
| YSPI1040-R19□ | 0.19 | 0.70 | 0.80 | 38.0 | 60.0 |
| YSPI1040-R22□ | 0.22 | 0.60 | 0.80 | 35.0 | 45.0 |
| YSPI1040-R36□ | 0.36 | 1.70 | 2.20 | 34.0 | 42.0 |
| YSPI1040-R47□ | 0.47 | 2.60 | 3.30 | 33.0 | 38.0 |
| YSPI1040-R56□ | 0.56 | 2.60 | 3.30 | 25.0 | 33.0 |
| YSPI1040-R68□ | 0.68 | 2.70 | 3.50 | 27.0 | 30.0 |
| YSPI1040-1R0□ | 1.00 | 3.00 | 3.30 | 20.0 | 26.0 |
| YSPI1040-1R5□ | 1.50 | 3.80 | 4.20 | 16.0 | 22.0 |
| YSPI1040-2R2□ | 2.20 | 6.00 | 7.00 | 14.0 | 16.0 |
| YSPI1040-3R3□ | 3.30 | 10.80 | 11.80 | 11.0 | 12.0 |
| YSPI1040-4R7□ | 4.70 | 14.50 | 19.00 | 9.0 | 12.0 |
| YSPI1040-5R6□ | 5.60 | 20.00 | 23.00 | 7.5 | 14.0 |
| YSPI1040-6R8□ | 6.80 | 22.50 | 25.00 | 6.0 | 10 |

■ YSPI1040 Series

| Part Number | Inductance (uH) @100KHz | DC Resistance (mΩ) | | Heat Rating Current (A) | Saturation Current (A) |
|---------------|----------------------------|--------------------|-------|----------------------------|---------------------------|
| | | Typ. | Max. | | |
| YSPI1040-8R2□ | 8.20 | 25.00 | 30.00 | 6.0 | 9.0 |
| YSPI1040-100□ | 10.0 | 27.50 | 30.00 | 5.5 | 7.0 |
| YSPI1040-150□ | 15.0 | 53.00 | 70.00 | 5.2 | 6.0 |
| YSPI1040-220□ | 22.0 | 73.00 | 92.00 | 5.0 | 5.5 |
| YSPI1040-330□ | 33.0 | 136 | 177 | 3.2 | 5.0 |
| YSPI1040-470□ | 47.0 | 145 | 180 | 2.8 | 4.5 |
| YSPI1040-680□ | 68.0 | 176 | 195 | 2.5 | 2.6 |
| YSPI1040-101□ | 100 | 254 | 300 | 1.5 | 2.0 |

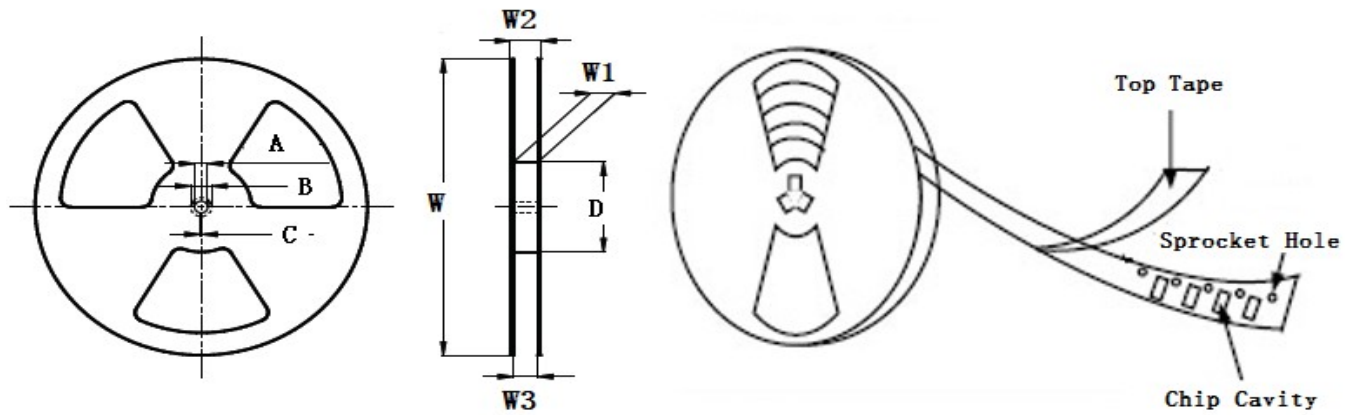
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20°C)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)
- ※ The rated current is the DC current value that satisfies both of current value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

■ Taping Dimensions(Unit:mm)



| TYPE | W | A | B | C | D | E | P | K Ref | T | MPQ |
|----------|--------|----------|-----------|-------|----------|---------|--------|-------|-----------|-----|
| YSPI1040 | 24±0.3 | 10.6±0.1 | 11.45±0.1 | 10.75 | 11.5±0.1 | 4.4±0.1 | 16±0.1 | 4.2 | 0.40±0.05 | 500 |

■ Reel Dimensions(Unit:mm)



| TYPE | W | W1 | W2 | W3 | A | B | C | D |
|----------|---------|----------|---------|----------|-----------|-----------|----------|---------|
| YSPI1040 | 330±2.0 | 24.4±1.5 | 30.4MAX | 23.9 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 ± 10 mm/min.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Fixed Inductors](#) category:

Click to view products by [YJYCOIN](#) manufacturer:

Other Similar products are found below :

[CR32NP-151KC](#) [CR32NP-180KC](#) [CR32NP-181KC](#) [CR32NP-1R5MC](#) [CR32NP-390KC](#) [CR32NP-3R9MC](#) [CR32NP-680KC](#) [CR32NP-820KC](#) [CR32NP-8R2MC](#) [CR43NP-390KC](#) [CR43NP-560KC](#) [CR43NP-680KC](#) [CR54NP-181KC](#) [CR54NP-470LC](#) [CR54NP-820KC](#) [CR54NP-8R5MC](#) [70F224AI](#) [MGDQ4-00004-P](#) [MHL1ECTTP18NJ](#) [MHQ1005P10NJ](#) [MHQ1005P1N0S](#) [MHQ1005P2N4S](#) [MHQ1005P3N6S](#) [MHQ1005P5N1S](#) [MHQ1005P8N2J](#) [PE-51506NL](#) [PE-53601NL](#) [PE-53602NL](#) [PE-53630NL](#) [PE-53824SNLT](#) [PE-92100NL](#) [PG0434.801NLT](#) [PG0936.113NLT](#) [9220-20](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#) [1206CS-471XJ](#) [HC2LP-R47-R](#) [HC2-R47-R](#) [HC3-2R2-R](#) [HCF1305-3R3-R](#) [1206CS-151XG](#) [RCH664NP-140L](#) [RCH664NP-4R7M](#) [RCH8011NP-221L](#) [RCP1317NP-332L](#) [RCP1317NP-391L](#) [RCR1010NP-470M](#)