

# SMD POWER INDUCTOR



## PX15022 SERIES



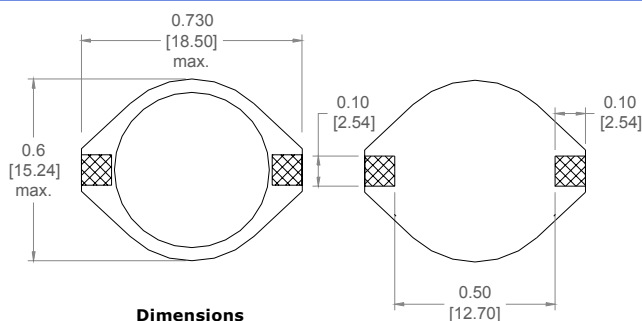
- RoHS Compliant Product
- Operating Temperature: -40°C to +85°C
- Inductance tested @ 100KHz, 0.1V<sub>RMS</sub> @ 0ADC
- Add -M for 20% standard inductance tolerance after part no.
- I<sub>DC</sub>: 10% inductance drop typical from its initial value at I<sub>DC</sub>
- I<sub>RMS</sub>: Δ40°C temperature rise max at I<sub>RMS</sub>
- Marking: Value

## ELECTRICAL SPECIFICATION @ 25°C

| Part Number | L<br>±20%<br>(μH) | I <sub>DC</sub><br>(A) | I <sub>RMS</sub><br>(A) | R <sub>DC</sub><br>MAX<br>(Ω) |
|-------------|-------------------|------------------------|-------------------------|-------------------------------|
| PX15022-    |                   |                        |                         |                               |
| 102         | 1.0               | 20.0                   | 8.6                     | 0.009                         |
| 222         | 2.2               | 16.0                   | 7.1                     | 0.014                         |
| 332         | 3.3               | 14.0                   | 6.2                     | 0.018                         |
| 562         | 5.6               | 12.0                   | 5.3                     | 0.020                         |
| 822         | 8.2               | 10.0                   | 4.8                     | 0.029                         |
| 103         | 10                | 10.0                   | 4.3                     | 0.031                         |
| 153         | 15                | 8.0                    | 4.0                     | 0.036                         |
| 223         | 22                | 7.0                    | 3.5                     | 0.047                         |
| 333         | 33                | 5.5                    | 3.0                     | 0.066                         |
| 473         | 47                | 4.5                    | 2.6                     | 0.086                         |
| 683         | 68                | 3.5                    | 2.3                     | 0.13                          |
| 104         | 100               | 3.0                    | 1.8                     | 0.19                          |
| 154         | 150               | 2.6                    | 1.5                     | 0.25                          |
| 224         | 220               | 2.4                    | 1.2                     | 0.38                          |
| 334         | 330               | 1.9                    | 1.0                     | 0.56                          |
| 474         | 470               | 1.4                    | 0.82                    | 0.85                          |
| 684         | 680               | 1.2                    | 0.72                    | 1.10                          |
| 105         | 1000              | 1.0                    | 0.56                    | 1.80                          |

## Mechanical

## Schematic

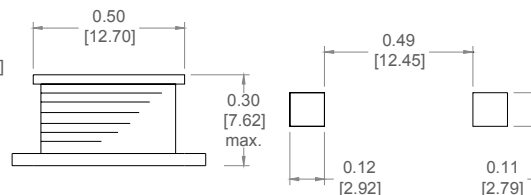


### Dimensions

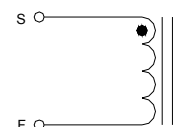
Unless otherwise specified, all tolerances are:

inch: .XX : ± 0.015 .XXX : ±0.010

mm: X,X : ± 0,38 X,XX : ±0,25



Suggested Pad Layout



Product performance is limited to specified parameter. Data is subject to change without prior notice.

PX15022-XX  
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