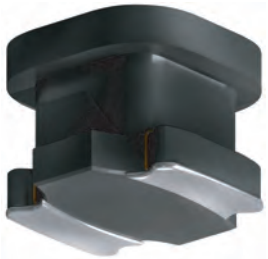
Fastron Group
Fine Inductors

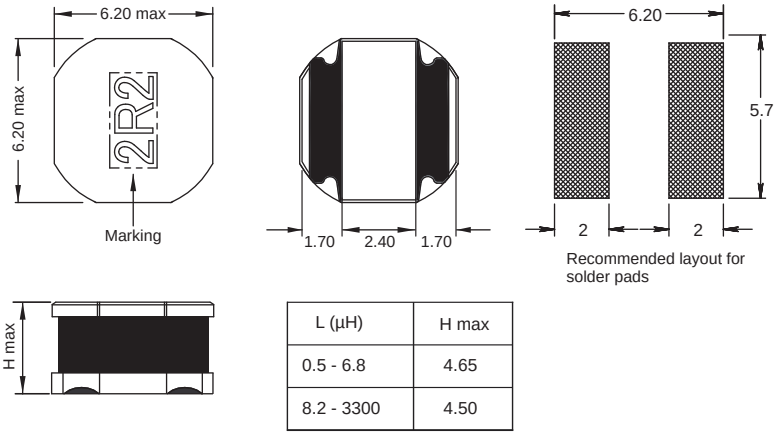
www.fastrongroup.com

# 242418 FPS

**Semi-shielded**

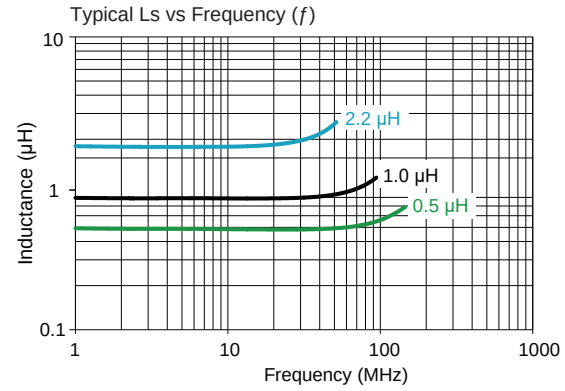
**Engineer's Kit: EK-242418FPS-X**

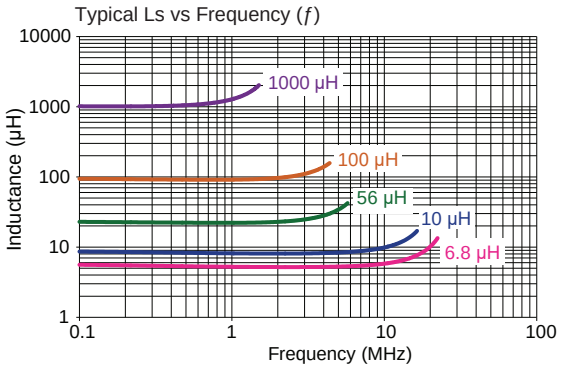


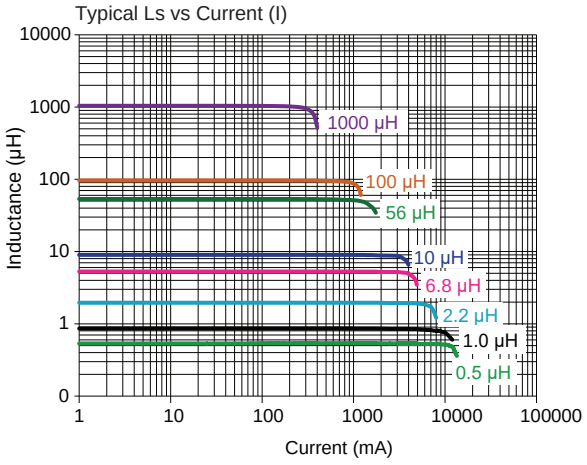



| L (µH) | H max |
|---|---|
| 0.5 - 6.8 | 4.65 |
| 8.2 - 3300 | 4.50 |

Chip Inductors for Power Applications




| Part No | Inductance L (µH) | $f_L$ (kHz) | Tol ± (%) | DCR max (mΩ) | Rated DC Current Isat (A) | Irms (A) |
|---|---|---|---|---|---|---|
| 242418FPS-R50N-01 | 0.5 | 100 @ 1V | 30 | 12 | 10.5 | 7.1 |
| 242418FPS-1R0N-01 | 1.0 | 100 @ 1V | 30 | 13 | 8.60 | 6.5 |
| 242418FPS-1R3N-01 | 1.3 | 100 @ 1V | 30 | 14 | 8.00 | 6.0 |
| 242418FPS-1R8N-01 | 1.8 | 100 @ 1V | 30 | 16 | 7.00 | 5.3 |
| 242418FPS-2R2N-01 | 2.2 | 100 @ 1V | 30 | 17 | 6.10 | 5.0 |
| 242418FPS-3R0N-01 | 3.0 | 100 @ 1V | 30 | 22 | 5.00 | 4.8 |
| 242418FPS-3R3N-01 | 3.3 | 100 @ 1V | 30 | 22 | 4.50 | 4.5 |
| 242418FPS-4R5N-01 | 4.5 | 100 @ 1V | 30 | 30 | 4.30 | 3.8 |
| 242418FPS-4R7N-01 | 4.7 | 100 @ 1V | 30 | 30 | 4.00 | 3.7 |
| 242418FPS-5R6N-01 | 5.6 | 100 @ 1V | 30 | 34 | 3.80 | 3.6 |
| 242418FPS-6R3N-01 | 6.3 | 100 @ 1V | 30 | 39 | 3.80 | 3.6 |
| 242418FPS-6R8N-01 | 6.8 | 100 @ 1V | 30 | 44 | 3.60 | 3.5 |
| ⋆ 242418FPS-8R2N-01 | 8.2 | 100 @ 1V | 30 | 53.3 | 3.20 | 3.1 |
| ⋆ 242418FPS-100M-01 | 10 | 100 @ 1V | 20 | 54 | 3.10 | 3.0 |
| ⋆ 242418FPS-150M-01 | 15 | 100 @ 1V | 20 | 96 | 2.30 | 2.3 |
| ⋆ 242418FPS-220M-01 | 22 | 100 @ 1V | 20 | 134 | 1.90 | 1.9 |
| ⋆ 242418FPS-330M-01 | 33 | 100 @ 1V | 20 | 204 | 1.50 | 1.5 |
| ⋆ 242418FPS-470M-01 | 47 | 100 @ 1V | 20 | 252 | 1.30 | 1.3 |
| ⋆ 242418FPS-560M-01 | 56 | 100 @ 1V | 20 | 324 | 1.20 | 1.2 |
| ⋆ 242418FPS-680M-01 | 68 | 100 @ 1V | 20 | 390 | 1.00 | 1.0 |
| ⋆ 242418FPS-101M-01 | 100 | 100 @ 1V | 20 | 552 | 0.90 | 0.9 |
| ⋆ 242418FPS-151M-01 | 150 | 100 @ 1V | 20 | 810 | 0.85 | 1.0 |
| ⋆ 242418FPS-221M-01 | 220 | 100 @ 1V | 20 | 1104 | 0.55 | 0.50 |
| ⋆ 242418FPS-331M-01 | 330 | 100 @ 1V | 20 | 1700 | 0.55 | 0.50 |
| ⋆ 242418FPS-471M-01 | 470 | 100 @ 1V | 20 | 2050 | 0.50 | 0.50 |
| ⋆ 242418FPS-681M-01 | 680 | 100 @ 1V | 20 | 3185 | 0.40 | 0.40 |
| ⋆ 242418FPS-821M-01 | 820 | 100 @ 1V | 20 | 3565 | 0.35 | 0.35 |
| ⋆ 242418FPS-102M-01 | 1000 | 100 @ 1V | 20 | 6218 | 0.25 | 0.25 |
| ⋆ 242418FPS-332M-01 | 3300 | 100 @ 1V | 20 | 20000 | 0.15 | 0.14 |

**Core Material:** Ferrite

Revision date: 18 Jun 2025

**SPQ:** Taped / Reel 1000 [-01]

**Remarks:**

⋆ : The total length and width of component including epoxy is 6.8mm max.

● All dimensions in mm