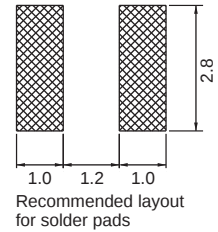
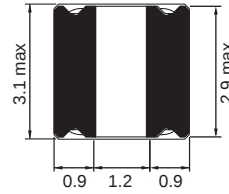
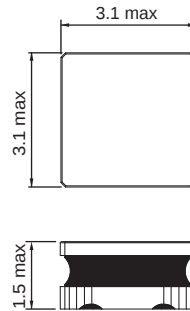
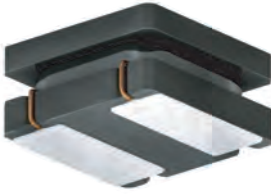


# 1212 FPS

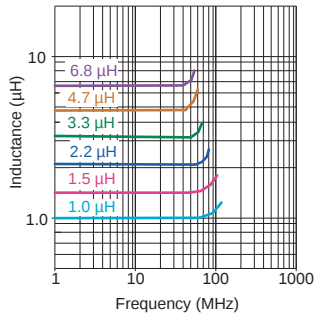


Semi-shielded

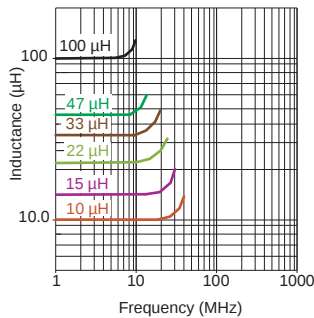
Engineer's Kit: EK-1212FPS-X



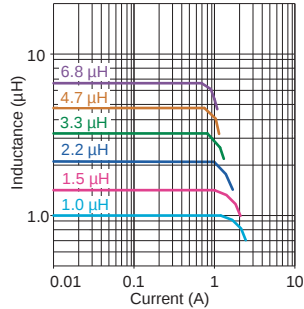
Typical Ls vs Frequency (f)



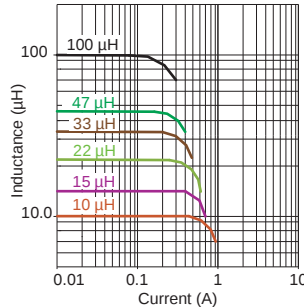
Typical Ls vs Frequency (f)



Typical Ls vs Current (I)



Typical Ls vs Current (I)



| Part No         | Inductance | f <sub>L</sub><br>(MHz) | Tol<br>± (%) | SRF<br>min<br>(MHz) | DCR (Ω) |       | Rated DC Current (A) |      |                  |      |
|-----------------|------------|-------------------------|--------------|---------------------|---------|-------|----------------------|------|------------------|------|
|                 | L (μH)     |                         |              |                     | typ     | max   | I <sub>sat</sub>     |      | I <sub>rms</sub> |      |
| 1212FPS-1R0X-01 | 1.0        | 1 @ 0.1 V               | 20,30        | 145                 | 0.040   | 0.048 | 2.35                 | 2.10 | 2.35             | 2.10 |
| 1212FPS-1R5X-01 | 1.5        | 1 @ 0.1 V               | 20,30        | 130                 | 0.055   | 0.066 | 2.00                 | 1.80 | 2.10             | 1.90 |
| 1212FPS-2R2X-01 | 2.2        | 1 @ 0.1 V               | 20,30        | 90                  | 0.060   | 0.072 | 1.65                 | 1.48 | 1.80             | 1.60 |
| 1212FPS-3R3X-01 | 3.3        | 1 @ 0.1 V               | 20,30        | 75                  | 0.093   | 0.112 | 1.40                 | 1.21 | 1.60             | 1.45 |
| 1212FPS-4R7X-01 | 4.7        | 1 @ 0.1 V               | 20,30        | 65                  | 0.113   | 0.136 | 1.20                 | 1.08 | 1.40             | 1.25 |
| 1212FPS-6R8X-01 | 6.8        | 1 @ 0.1 V               | 20,30        | 50                  | 0.176   | 0.211 | 1.05                 | 0.90 | 1.10             | 0.90 |
| 1212FPS-100X-01 | 10         | 1 @ 0.1 V               | 20,30        | 45                  | 0.234   | 0.276 | 0.88                 | 0.75 | 1.00             | 0.87 |
| 1212FPS-150X-01 | 15         | 1 @ 0.1 V               | 20,30        | 33                  | 0.352   | 0.422 | 0.68                 | 0.58 | 0.80             | 0.65 |
| 1212FPS-220X-01 | 22         | 1 @ 0.1 V               | 20,30        | 28                  | 0.510   | 0.622 | 0.58                 | 0.47 | 0.60             | 0.55 |
| 1212FPS-330X-01 | 33         | 1 @ 0.1 V               | 20,30        | 22                  | 0.799   | 0.959 | 0.46                 | 0.39 | 0.50             | 0.45 |
| 1212FPS-470X-01 | 47         | 1 @ 0.1 V               | 20,30        | 18                  | 1.172   | 1.406 | 0.38                 | 0.32 | 0.45             | 0.40 |
| 1212FPS-101X-01 | 100        | 1 @ 0.1 V               | 20,30        | 11                  | 2.433   | 2.920 | 0.27                 | 0.23 | 0.29             | 0.25 |

Core Material: Ferrite

Revision date: 11 Mar 2022

SPQ: Taped / Reel 2000 [-01]