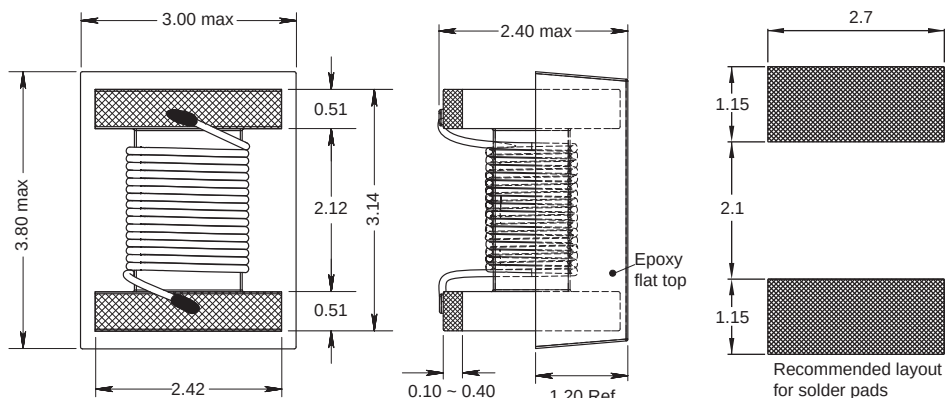
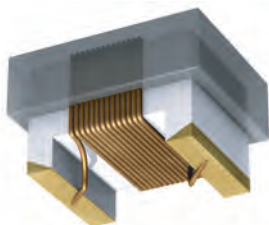
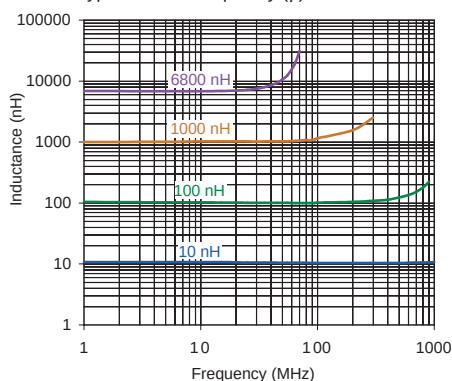


# 1210 AS

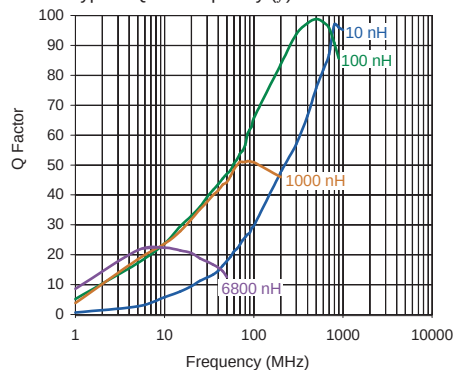
Engineer's Kit: EK-1210AS-X



Typical Ls vs Frequency (f)



Typical Q vs Frequency (f)



Single layer (typ)

| Part No        | Inductance<br>L (nH) | f <sub>L</sub><br>(MHz) | Tol<br>± (%) | Q<br>min | f <sub>Q</sub><br>(MHz) | SRF<br>(MHz) | DCR<br>max (Ω) | Rated DC<br>Current<br>max (mA) |
|----------------|----------------------|-------------------------|--------------|----------|-------------------------|--------------|----------------|---------------------------------|
| 1210AS-010K-YY | 10                   | 50                      | 10           | 50       | 500                     | 4100 min     | 0.08           | 1000                            |
| 1210AS-012K-YY | 12                   | 50                      | 10           | 50       | 500                     | 2400 min     | 0.09           | 1000                            |
| 1210AS-015K-YY | 15                   | 50                      | 10           | 50       | 500                     | 2400 min     | 0.10           | 1000                            |
| 1210AS-018K-YY | 18                   | 50                      | 10           | 50       | 350                     | 2400 min     | 0.11           | 1000                            |
| 1210AS-022K-YY | 22                   | 50                      | 10           | 55       | 350                     | 2400 min     | 0.12           | 1000                            |
| 1210AS-027J-YY | 27                   | 50                      | 5            | 55       | 350                     | 1800 min     | 0.13           | 1000                            |
| 1210AS-033J-YY | 33                   | 50                      | 5            | 60       | 350                     | 1600 min     | 0.14           | 1000                            |
| 1210AS-039J-YY | 39                   | 50                      | 5            | 60       | 350                     | 1500 min     | 0.15           | 1000                            |
| 1210AS-047J-YY | 47                   | 50                      | 5            | 65       | 350                     | 1200 min     | 0.16           | 1000                            |
| 1210AS-056J-YY | 56                   | 50                      | 5            | 65       | 350                     | 1200 min     | 0.16           | 1000                            |
| 1210AS-068J-YY | 68                   | 50                      | 5            | 65       | 350                     | 1000 min     | 0.20           | 1000                            |
| 1210AS-082J-YY | 82                   | 50                      | 5            | 60       | 350                     | 1000 min     | 0.22           | 1000                            |
| 1210AS-R10J-YY | 100                  | 25                      | 5            | 60       | 350                     | 1000 min     | 0.24           | 980                             |
| 1210AS-R12J-YY | 120                  | 25                      | 5            | 60       | 350                     | 850 min      | 0.26           | 920                             |
| 1210AS-R15J-YY | 150                  | 25                      | 5            | 50       | 100                     | 750 min      | 0.29           | 870                             |
| 1210AS-R18J-YY | 180                  | 25                      | 5            | 50       | 100                     | 700 min      | 0.31           | 830                             |
| 1210AS-R22J-YY | 220                  | 25                      | 5            | 50       | 100                     | 650 min      | 0.35           | 790                             |
| 1210AS-R27J-YY | 270                  | 25                      | 5            | 45       | 100                     | 600 min      | 0.42           | 730                             |
| 1210AS-R33J-YY | 330                  | 25                      | 5            | 45       | 100                     | 500 min      | 0.49           | 680                             |
| 1210AS-R37J-YY | 370                  | 25                      | 5            | 45       | 100                     | 500 min      | 0.52           | 610                             |
| 1210AS-R39J-YY | 390                  | 25                      | 5            | 45       | 100                     | 500 min      | 0.54           | 640                             |
| 1210AS-R47J-YY | 470                  | 25                      | 5            | 45       | 100                     | 450 min      | 0.60           | 610                             |
| 1210AS-R56J-YY | 560                  | 25                      | 5            | 45       | 100                     | 415 min      | 1.00           | 460                             |
| 1210AS-R68J-YY | 680                  | 25                      | 5            | 45       | 100                     | 350 min      | 1.15           | 420                             |
| 1210AS-R82J-YY | 820                  | 25                      | 5            | 45       | 100                     | 350 min      | 1.93           | 350                             |
| 1210AS-1R0K-YY | 1000                 | 25                      | 10           | 35       | 50                      | 290 typ      | 2.16           | 330                             |
| 1210AS-1R2K-YY | 1200                 | 7.9                     | 10           | 35       | 50                      | 250 typ      | 2.38           | 310                             |
| 1210AS-1R5K-YY | 1500                 | 7.9                     | 10           | 25       | 50                      | 200 typ      | 2.64           | 300                             |
| 1210AS-1R8K-YY | 1800                 | 7.9                     | 10           | 25       | 50                      | 160 typ      | 2.76           | 290                             |
| 1210AS-2R2K-YY | 2200                 | 7.9                     | 10           | 25       | 50                      | 160 typ      | 2.98           | 280                             |
| 1210AS-2R7K-YY | 2700                 | 7.9                     | 10           | 25       | 25                      | 140 typ      | 3.30           | 260                             |
| 1210AS-3R3K-YY | 3300                 | 7.9                     | 10           | 25       | 25                      | 120 typ      | 3.66           | 250                             |
| 1210AS-3R9K-YY | 3900                 | 7.9                     | 10           | 20       | 25                      | 100 typ      | 4.00           | 240                             |
| 1210AS-4R7K-YY | 4700                 | 7.9                     | 10           | 20       | 25                      | 90 typ       | 4.30           | 230                             |
| 1210AS-5R6K-YY | 5600                 | 7.9                     | 10           | 15       | 25                      | 60 typ       | 4.30           | 230                             |
| 1210AS-6R8K-YY | 6800                 | 7.9                     | 10           | 15       | 25                      | 60 typ       | 5.20           | 210                             |
| 1210AS-8R2K-YY | 8200                 | 7.9                     | 10           | 17       | 7.9                     | 45 typ       | 5.90           | 168                             |
| 1210AS-100K-YY | 10000                | 7.9                     | 10           | 17       | 7.9                     | 38 typ       | 6.00           | 160                             |
| 1210AS-150K-YY | 15000                | 7.9                     | 10           | 15       | 7.9                     | 20 typ       | 7.00           | 120                             |

Core Material: Ceramic

Revision date: 11 Jan 2022

SPQ: Taped / Reel 800 [-01]  
3000 [-04]

Remarks: - Unlisted inductance values available upon request.  
- 2% and 5% tolerance available upon request.