**CHIP INDUCTOR**
**Molding TYPE**

# SCI 1210 (3225) FERRITE SERIES

Atom

## Specification

| Part No. | Inductance [1] (uH) | Percent Tolerance | Q [2] Min | S.R.F. [3] Min (MHZ) | RDC [4] Max (OHM) | IDC [5] Max (MA) |
|---|---|---|---|---|---|---|
| SCI 1210 FT R10 □□□ | 0.10 @ 100 MHZ | **M** | 28 @ 100 MHZ | 700 | 0.44 | 450 |
| SCI 1210 FT R12 □□□ | 0.12 @ 25.2 MHZ | **M** | 30 @ 100 MHZ | 500 | 0.22 | 450 |
| SCI 1210 FT R15 □□□ | 0.15 @ 25.2 MHZ | **M** | 30 @ 100 MHZ | 450 | 0.25 | 450 |
| SCI 1210 FT R18 □□□ | 0.18 @ 25.2 MHZ | **M** | 30 @ 100 MHZ | 400 | 0.28 | 450 |
| SCI 1210 FT R22 □□□ | 0.22 @ 25.2 MHZ | **M** | 30 @ 25.2 MHZ | 350 | 0.32 | 450 |
| SCI 1210 FT R27 □□□ | 0.27 @ 25.2 MHZ | **M** | 30 @ 25.2 MHZ | 320 | 0.36 | 450 |
| SCI 1210 FT R33 □□□ | 0.33 @ 25.2 MHZ | **M** | 30 @ 25.2 MHZ | 300 | 0.40 | 450 |
| SCI 1210 FT R39 □□□ | 0.39 @ 25.2 MHZ | **M** | 30 @ 25.2 MHZ | 250 | 0.45 | 450 |
| SCI 1210 FT R47 □□□ | 0.47 @ 25.2 MHZ | **M** | 30 @ 25.2 MHZ | 300 | 0.40 | 450 |
| SCI 1210 FT R56 □□□ | 0.56 @ 25.2 MHZ | **M** | 30 @ 25.2 MHZ | 220 | 0.50 | 450 |
| SCI 1210 FT R68 □□□ | 0.68 @ 25.2 MHZ | **M** | 30 @ 25.2 MHZ | 180 | 0.55 | 450 |
| SCI 1211 FT R82 □□□ | 0.82 @ 25.2 MHZ | **M** | 30 @ 25.2 MHZ | 140 | 0.65 | 400 |
| SCI 1210 FT 1R0 □□□ | 1.0 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 120 | 0.70 | 400 |
| SCI 1210 FT 1R2 □□□ | 1.2 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 100 | 0.75 | 390 |
| SCI 1210 FT 1R5 □□□ | 1.5 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 85 | 0.85 | 370 |
| SCI 1210 FT 1R8 □□□ | 1.8 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 80 | 0.90 | 350 |
| SCI 1210 FT 2R2 □□□ | 2.2 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 75 | 1.00 | 320 |
| SCI 1210 FT 2R7 □□□ | 2.7 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 70 | 1.10 | 290 |
| SCI 1210 FT 3R3 □□□ | 3.3 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 60 | 1.20 | 260 |
| SCI 1210 FT 3R9 □□□ | 3.9 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 55 | 1.30 | 250 |
| SCI 1210 FT 4R7 □□□ | 4.7 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 50 | 1.50 | 220 |
| SCI 1210 FT 5R6 □□□ | 5.6 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 47 | 1.60 | 200 |
| SCI 1210 FT 6R8 □□□ | 6.8 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 43 | 1.80 | 180 |
| SCI 1210 FT 8R2 □□□ | 8.2 @ 7.96 MHZ | **K** | 30 @ 7.96 MHZ | 40 | 2.00 | 170 |
| SCI 1210 FT 100 □□□ | 10.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 36 | 2.10 | 150 |
| SCI 1210 FT 120 □□□ | 12.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 33 | 2.50 | 140 |
| SCI 1210 FT 150 □□□ | 15.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 30 | 2.80 | 130 |
| SCI 1210 FT 180 □□□ | 18.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 27 | 3.30 | 120 |
| SCI 1210 FT 220 □□□ | 22.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 25 | 3.70 | 110 |
| SCI 1210 FT 270 □□□ | 27.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 20 | 5.00 | 80 |
| SCI 1210 FT 330 □□□ | 33.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 17 | 5.60 | 70 |
| SCI 1210 FT 390 □□□ | 39.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 16 | 6.40 | 65 |
| SCI 1210 FT 470 □□□ | 47.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 15 | 7.00 | 60 |
| SCI 1210 FT 560 □□□ | 56.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 13 | 8.00 | 55 |
| SCI 1210 FT 680 □□□ | 68.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 12 | 9.00 | 50 |
| SCI 1210 FT 820 □□□ | 82.0 @ 2.52 MHZ | **K** | 30 @ 2.52 MHZ | 11 | 10.00 | 45 |
| SCI 1210 FT 101 □□□ | 100.0 @ 0.796 MHZ | **K** | 20 @ 0.796 MHZ | 10 | 11.00 | 40 |

1. Inductance is measured in HP-4285A Precision LCR meter/ HP-4287A LCR meter with HP-16193 fixture.
2. Q is measured in HP-4285A Precision LCR meter, HP-4287A LCR meter with HP-16193 fixture.
3. SRF is measured in HP-8753E RF network analyzer.
4. RDC is measured in HP-4338B millohmeter.
5. For 15 °C Rise.