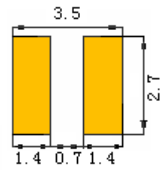
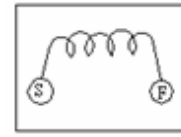
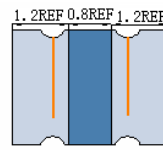
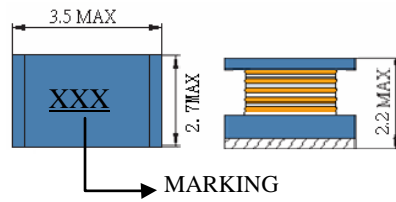
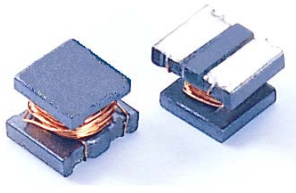


SC1210

SMD POWER INDUCTORS



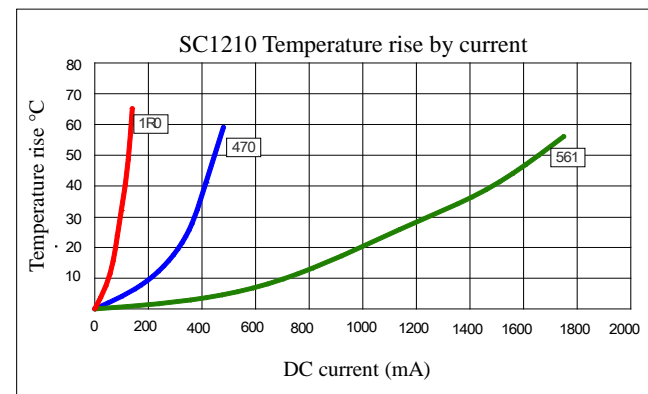
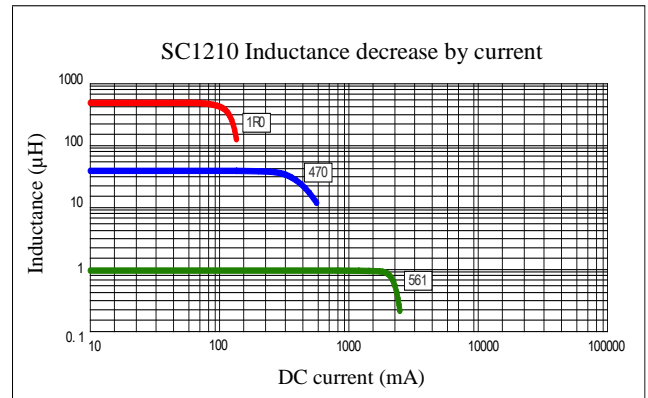
• Features

1. Open frame construction
2. Low DCR
3. Excellent Power Density
4. Engineered to Provide High Efficiency



ELECTRICAL CHARACTERISTICS

| Part Number | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current ⁽³⁾ (A) | Temperature Current ⁽⁴⁾ (A) |
|-------------|------------------------|----------------|------------------------------|--|---|
| SC1210-1R0 | 1.0 | 1MHZ | 117m | 0.80 | 1.25 |
| SC1210-2R2 | 2.2 | 1MHZ | 169m | 0.60 | 1.15 |
| SC1210-4R7 | 4.7 | 1MHZ | 260m | 0.45 | 0.98 |
| SC1210-100 | 10 | 1MHZ | 572m | 0.30 | 0.70 |
| SC1210-220 | 22 | 1MHZ | 923m | 0.25 | 0.56 |
| SC1210-470 | 47 | 1MHZ | 1.69 | 0.17 | 0.38 |
| SC1210-101 | 100 | 1MHZ | 4.55 | 0.10 | 0.22 |
| SC1210-221 | 220 | 1MHZ | 10.92 | 0.07 | 0.15 |
| SC1210-331 | 330 | 1MHZ | 13.00 | 0.06 | 0.14 |
| SC1210-391 | 390 | 1MHZ | 22.10 | 0.06 | 0.11 |
| SC1210-471 | 470 | 1MHZ | 24.70 | 0.06 | 0.10 |
| SC1210-561 | 560 | 1MHZ | 28.60 | 0.06 | 0.09 |
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(1). Inductance tolerance for 1.0uH~4.7uH: ±20%, for 10uH~560uH: ±10%. Tested at 0.25V, 0ADC and 25°C

(2). DCR measured at 25°C.

(3). The DC current at which the inductance decreases by 10% from its initial value.

(4). The DC current that results in a 40°C temperature rise from 25°C ambient.

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Custom versions available upon request.

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