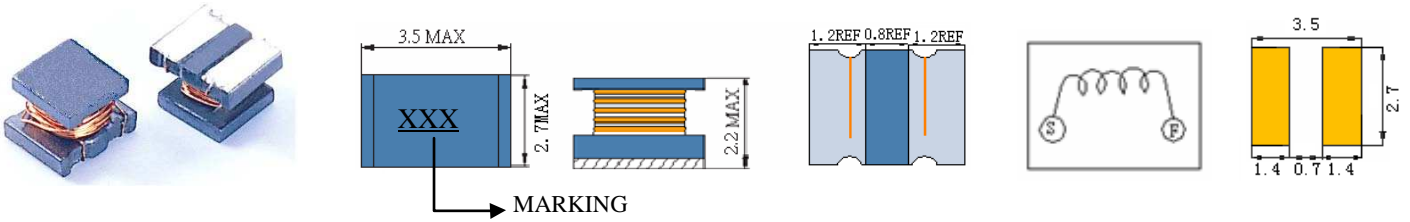


# SC1210

## SMD POWER INDUCTORS



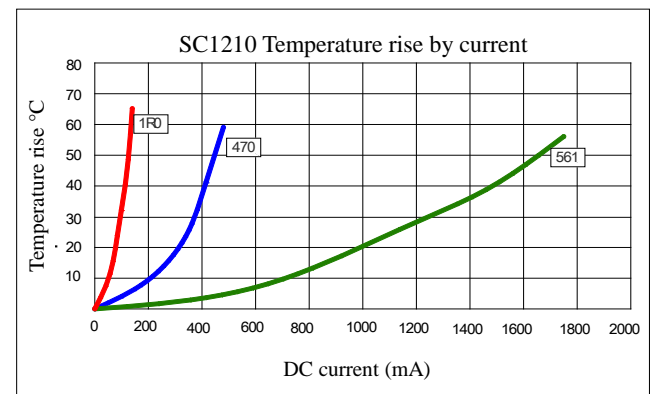
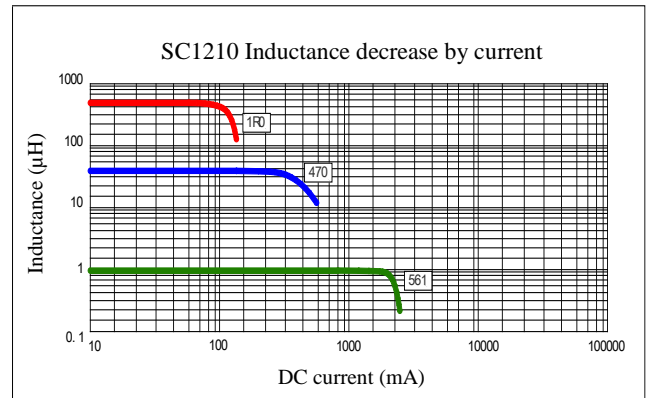
### • Features

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 <sup>(3)</sup> (A)	Temperature Current <sup>(4)</sup> (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



(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.