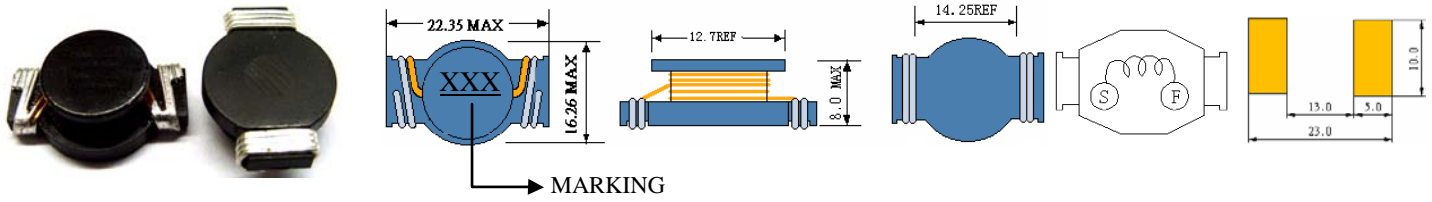


# SC5022FH

## SMD POWER INDUCTORS

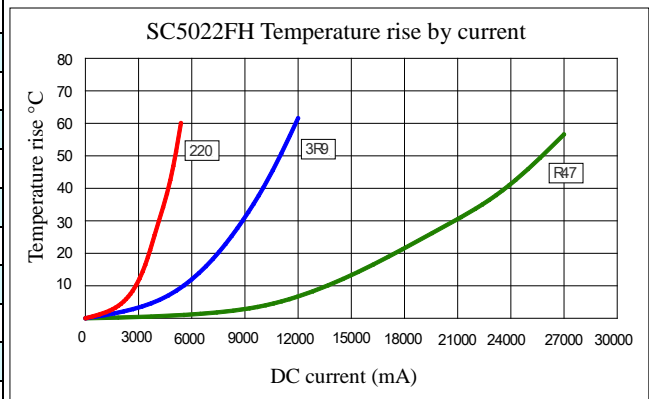
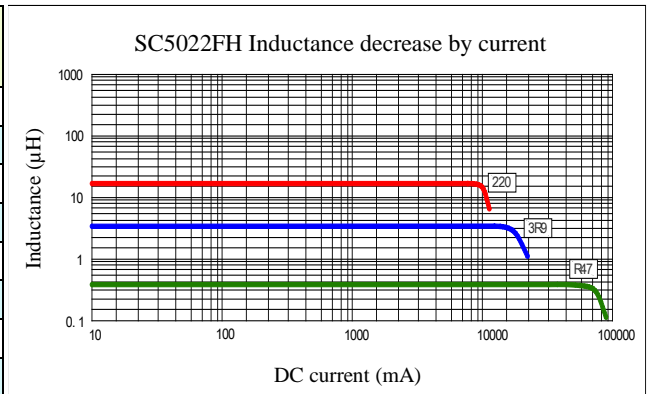


### • Features

1. Open frame construction
2. Excellent Power Density
3. 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)
SC5022FH-R47	0.47	100KHZ	2.0m	40	20.0
SC5022FH-R82	0.82	100KHZ	2.6m	30	17.0
SC5022FH-1R5	1.5	100KHZ	4.0m	25	14.2
SC5022FH-2R2	2.2	100KHZ	6.1m	20	12.0
SC5022FH-2R7	2.7	100KHZ	8.0m	18	10.0
SC5022FH-3R3	3.3	100KHZ	9.0m	17	9.4
SC5022FH-3R9	3.9	100KHZ	10m	15	9.0
SC5022FH-4R7	4.7	100KHZ	14m	13	8.0
SC5022FH-6R8	6.8	100KHZ	18m	12	6.5
SC5022FH-100	10	100KHZ	26m	10	6.0
SC5022FH-150	15	100KHZ	32m	8.0	4.8
SC5022FH-220	22	100KHZ	50m	7.6	3.6



- (1). Inductance tolerance for 0.47uH~4.7uH:  $\pm 30\%$ , for 6.8uH~220uH:  $\pm 20\%$ . 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.