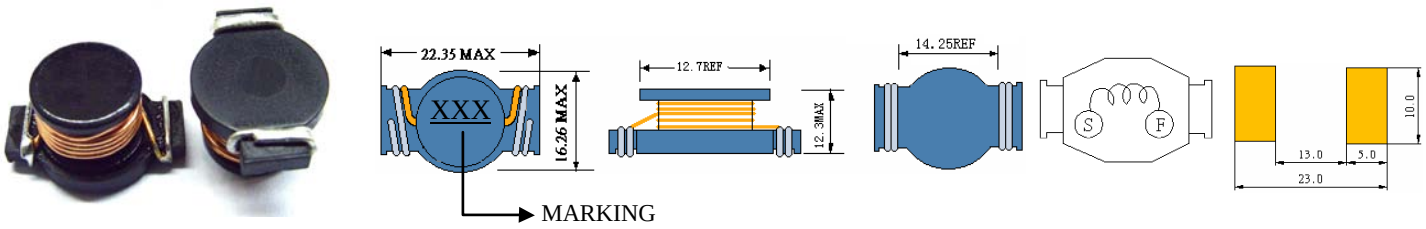
SC5040FH

SMD POWER INDUCTORS

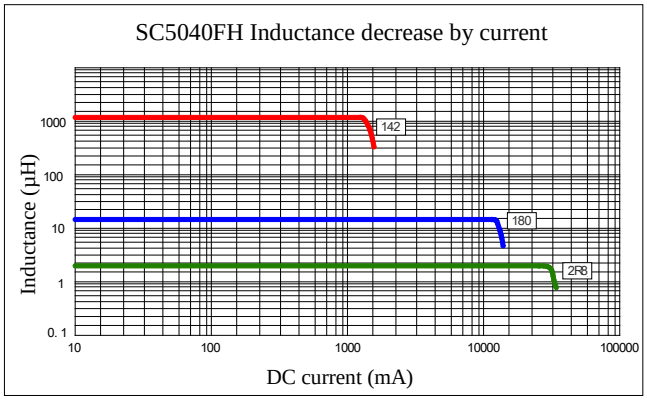


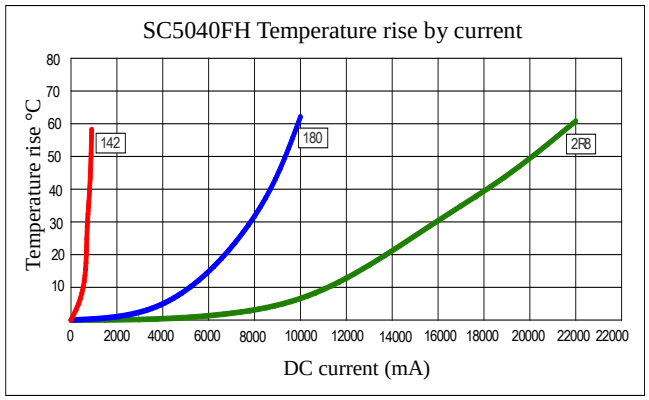
● Features

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

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DCResistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SC5040FH-2R8	2.8	100KHZ	5.2m	33.4	16.0
SC5040FH-3R9	3.9	100KHZ	6.0m	26.8	14.0
SC5040FH-6R8	6.8	100KHZ	9.0m	21.5	11.5
SC5040FH-100	10	100KHZ	14.1m	17.8	10.0
SC5040FH-120	12	100KHZ	15.5m	15.9	8.5
SC5040FH-150	15	100KHZ	20m	13.8	7.5
SC5040FH-180	18	100KHZ	22m	13.2	6.8
SC5040FH-220	22	100KHZ	24m	11.8	5.2
SC5040FH-330	33	100KHZ	37m	9.6	4.4
SC5040FH-470	47	100KHZ	52m	7.8	4.1
SC5040FH-680	68	100KHZ	67m	6.7	3.4
SC5040FH-101	100	100KHZ	115m	5.6	3.2
SC5040FH-331	330	100KHZ	325m	3.0	1.8
SC5040FH-681	680	100KHZ	780m	2.0	1.1
SC5040FH-142	1400	100KHZ	1.59	1.5	0.7





(1). Inductance tolerance for 2.8uH~100uH: ±30%, for 330uH~1400uH: ±20%. Tested at 0.25V, 0ADC and 25℃.
(2). DCR measured at 25℃.
(3). The DC current at which the inductance decreases by 10% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ ambient.

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