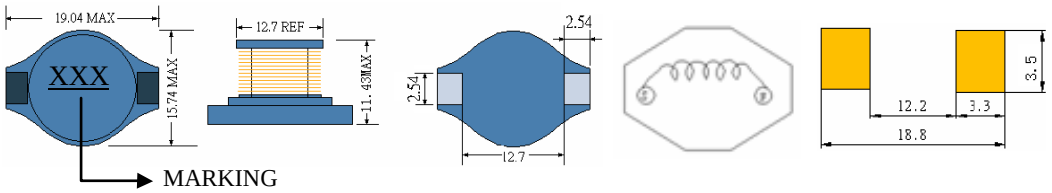
SC5040F

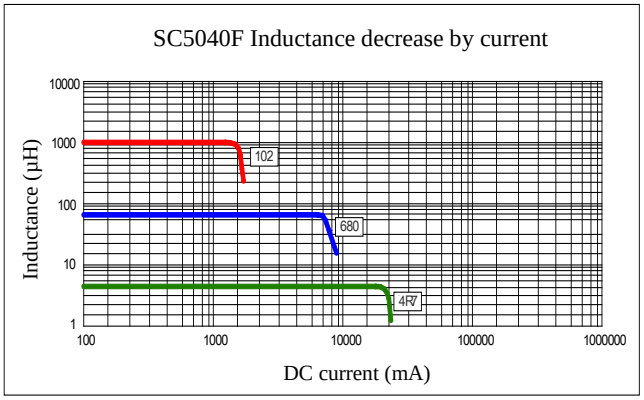
SMD POWER INDUCTORS

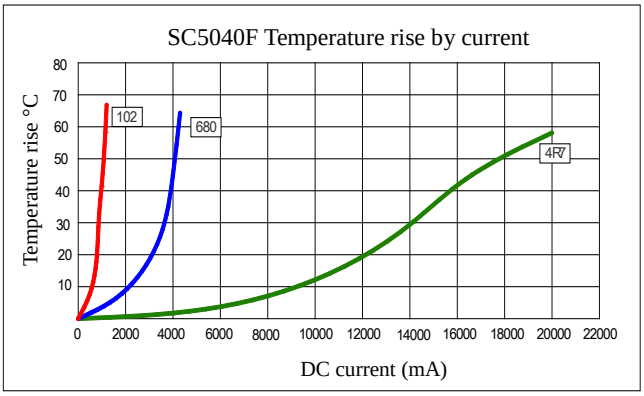


● Features
1. Open frame construction
2 Excellent Power Density
3 Engineered to Provide High Efficiency

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SC5040F-4R7	4.7	100KHZ	8.5m	24.0	14.0
SC5040F-5R6	5.6	100KHZ	9.8m	20.3	12.5
SC5040F-6R8	6.8	100KHZ	11.5m	18.5	11.2
SC5040F-100	10	100KHZ	15.7m	16.7	9.50
SC5040F-150	15	100KHZ	23.5m	13.0	8.00
SC5040F-220	22	100KHZ	34.2m	10.6	6.50
SC5040F-330	33	100KHZ	51.2m	8.6	5.00
SC5040F-470	47	100KHZ	71.4m	7.0	4.00
SC5040F-680	68	100KHZ	100m	6.5	3.20
SC5040F-101	100	100KHZ	146m	5.0	2.80
SC5040F-151	150	100KHZ	216m	4.0	2.30
SC5040F-221	220	100KHZ	310m	3.3	1.80
SC5040F-331	330	100KHZ	450m	2.7	1.50
SC5040F-471	470	100KHZ	600m	2.2	1.20
SC5040F-681	680	100KHZ	890m	1.9	1.00
SC5040F-102	1000	100KHZ	1280m	1.5	0.88





(1). Inductance tolerance±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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belfuse.com/signal

128 Atlantic Avenue, Lynbrook, NY 11563
Toll Free 866-239-5777 • Tel 516-239-5777 • Fax 516-239-7208
Sales@signaltransformer.com • techhelp@signaltransformer.com

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