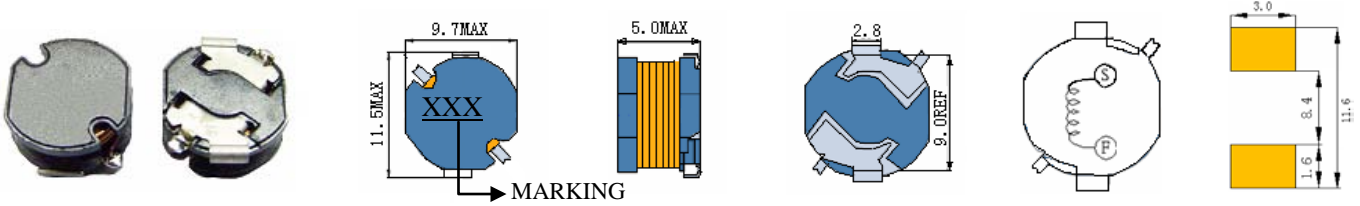


# SC10F

## SMD POWER INDUCTORS



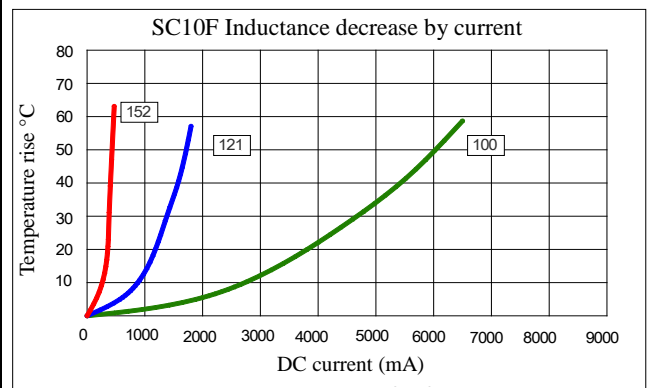
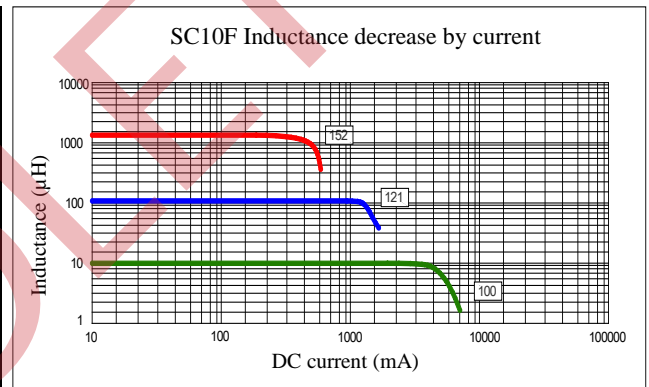
### • Features

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)
SC10F-100	10	100KHZ	47m	2.60	4.50
SC10F-120	12	100KHZ	50m	2.48	4.20
SC10F-150	15	100KHZ	58m	2.27	3.80
SC10F-180	18	100KHZ	67m	2.15	3.40
SC10F-220	22	100KHZ	75m	2.00	3.00
SC10F-270	27	100KHZ	87m	1.84	2.60
SC10F-330	33	100KHZ	95m	1.72	2.40
SC10F-390	39	100KHZ	0.12	1.58	2.20
SC10F-470	47	100KHZ	0.15	1.44	2.00
SC10F-560	56	100KHZ	0.18	1.28	1.88
SC10F-680	68	100KHZ	0.20	1.20	1.80
SC10F-820	82	100KHZ	0.23	1.09	1.68
SC10F-101	100	100KHZ	0.27	1.05	1.60
SC10F-121	120	100KHZ	0.33	0.92	1.40
SC10F-151	150	100KHZ	0.40	0.80	1.20
SC10F-181	18	100KHZ	0.53	0.73	1.02
SC10F-221	220	100KHZ	0.60	0.69	0.92
SC10F-271	270	100KHZ	0.84	0.60	0.84
SC10F-331	330	100KHZ	1.00	0.53	0.78
SC10F-391	390	100KHZ	1.09	0.49	0.72
SC10F-471	470	100KHZ	1.25	0.46	0.64
SC10F-561	560	100KHZ	1.63	0.41	0.58
SC10F-681	680	100KHZ	1.90	0.38	0.54
SC10F-821	820	100KHZ	2.44	0.34	0.50
SC10F-102	1000	100KHZ	2.80	0.31	0.44
SC10F-122	1200	100KHZ	3.67	0.27	0.40
SC10F-152	1500	100KHZ	4.37	0.25	0.36



- (1). Inductance tolerance for 10uH~82uH:  $\pm 20\%$ , for 100uH~1500uH:  $\pm 10\%$ . 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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128 Atlantic Avenue, Lynbrook, NY 11563  
 Toll Free 866-239-5777 • Tel 516-239-5777 • Fax 516-239-7208  
[Sales@signaltransformer.com](mailto:Sales@signaltransformer.com) • [techhelp@signaltransformer.com](mailto:techhelp@signaltransformer.com)

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