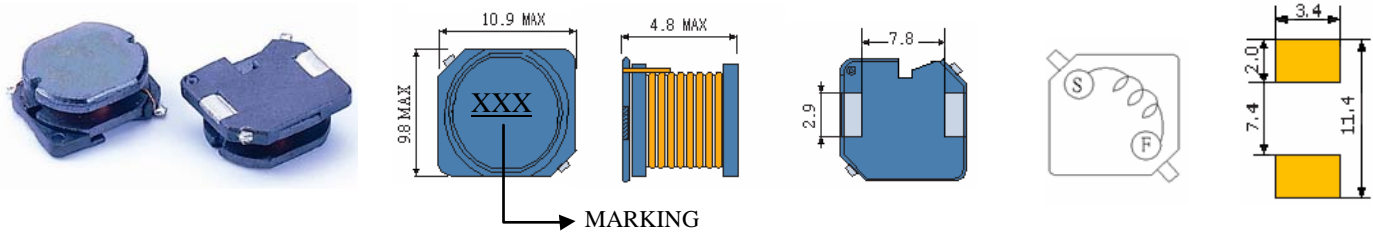


# SC104B

## SMD POWER INDUCTORS



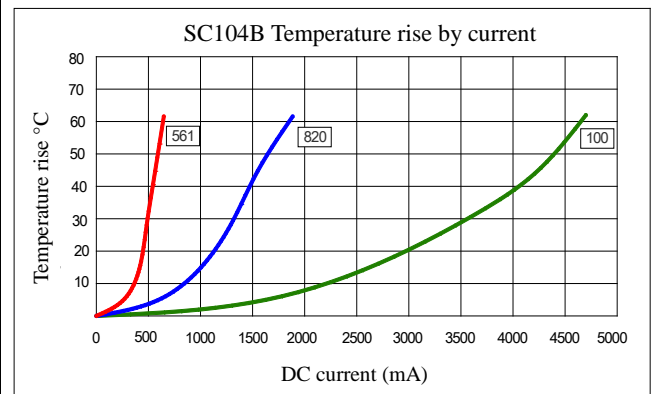
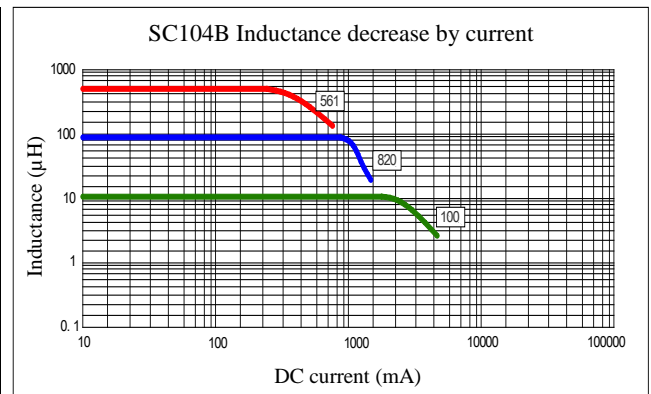
### • Features

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 <sup>(3)</sup> (A)	Temperature Current <sup>(4)</sup> (A)
SC104B-100	10	2.52MHZ	53m	2.38	3.60
SC104B-120	12	2.52MHZ	61m	2.13	3.20
SC104B-150	15	2.52MHZ	70m	1.87	2.90
SC104B-180	18	2.52MHZ	90m	1.73	2.70
SC104B-220	22	2.52MHZ	100m	1.60	2.30
SC104B-270	27	2.52MHZ	124m	1.44	2.10
SC104B-330	33	2.52MHZ	140m	1.26	1.90
SC104B-390	39	2.52MHZ	151m	1.20	1.80
SC104B-470	47	2.52MHZ	195m	1.10	1.60
SC104B-560	56	2.52MHZ	220m	1.01	1.55
SC104B-680	68	2.52MHZ	260m	0.91	1.50
SC104B-820	82	2.52MHZ	310m	0.85	1.30
SC104B-101	100	1KHZ	344m	0.74	1.20
SC104B-121	120	1KHZ	396m	0.69	1.08
SC104B-151	150	1KHZ	554m	0.61	0.98
SC104B-181	180	1KHZ	621m	0.56	0.88
SC104B-221	220	1KHZ	721m	0.53	0.80
SC104B-271	270	1KHZ	949m	0.45	0.74
SC104B-331	330	1KHZ	1.100	0.42	0.64
SC104B-391	390	1KHZ	1.245	0.38	0.54
SC104B-471	470	1KHZ	1.526	0.35	0.50
SC104B-561	560	1KHZ	1.904	0.32	0.48



- (1). Inductance tolerance  $\pm 20\%$  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.**