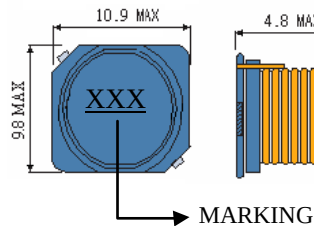


SC104B

SMD POWER INDUCTORS



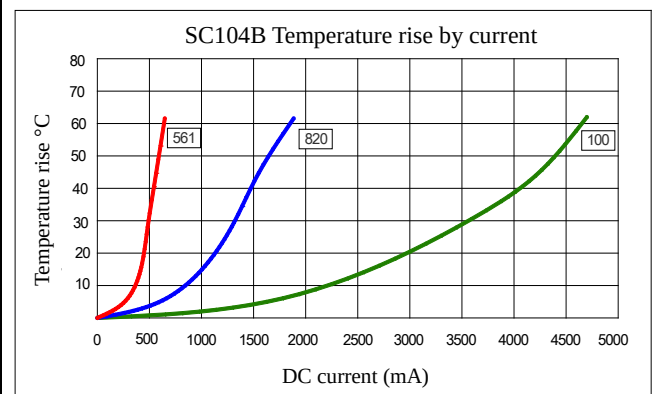
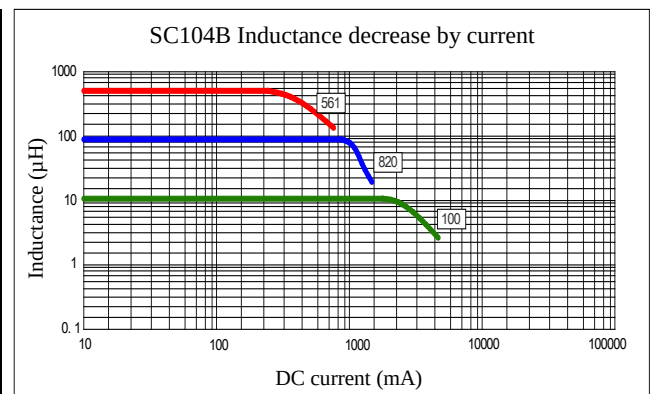
• Features

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 ⁽³⁾ (A)	Temperature Current ⁽⁴⁾ (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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