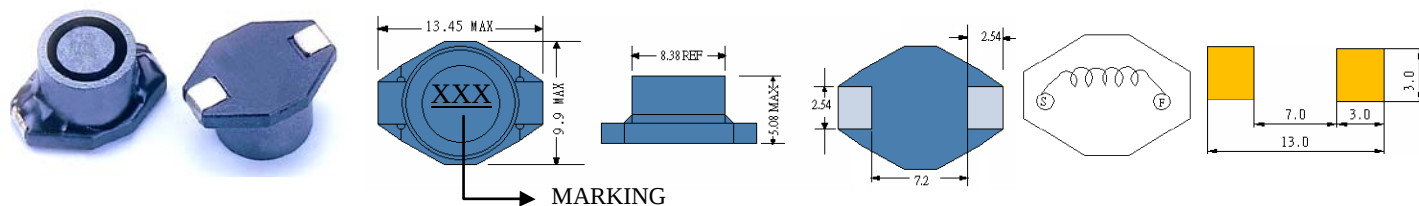


SC3316C

SMD POWER INDUCTORS



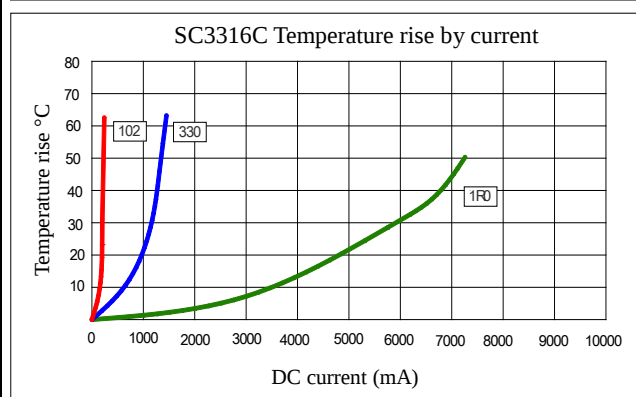
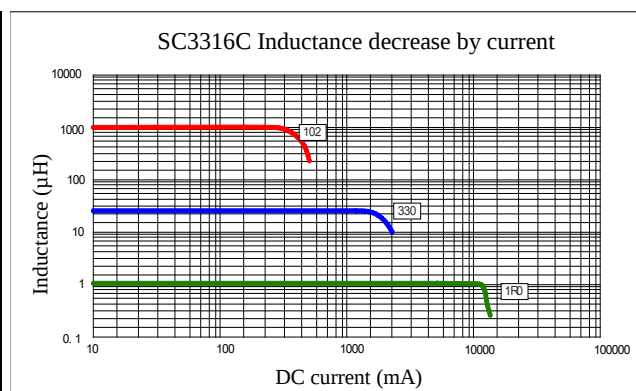
• Features

1. Magnetically shielded 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)
SC3316C-1R0	1.0	100KHZ	21m	5.60	6.00
SC3316C-1R5	1.5	100KHZ	22m	5.20	5.70
SC3316C-2R2	2.2	100KHZ	32m	5.00	4.59
SC3316C-3R3	3.3	100KHZ	39m	3.90	4.37
SC3316C-4R7	4.7	100KHZ	54m	3.20	3.73
SC3316C-6R8	6.8	100KHZ	75m	2.80	2.61
SC3316C-100	10	100KHZ	0.101	2.40	2.34
SC3316C-150	15	100KHZ	0.150	2.00	1.87
SC3316C-220	22	100KHZ	0.207	1.60	1.49
SC3316C-330	33	100KHZ	0.334	1.40	1.20
SC3316C-470	47	100KHZ	0.472	1.00	0.96
SC3316C-680	68	100KHZ	0.660	0.90	0.77
SC3316C-101	100	100KHZ	0.924	0.80	0.61
SC3316C-151	150	100KHZ	1.290	0.70	0.49
SC3316C-221	220	100KHZ	2.200	0.50	0.39
SC3316C-331	330	100KHZ	2.500	0.38	0.31
SC3316C-471	470	100KHZ	3.700	0.35	0.28
SC3316C-681	680	100KHZ	6.40	0.30	0.225
SC3316C-102	1000	100KHZ	9.60	0.20	0.20



(1). Inductance tolerance for 1.0uH~2.2uH: $\pm 30\%$, for 3.3uH~1000uH: $\pm 20\%$. 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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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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