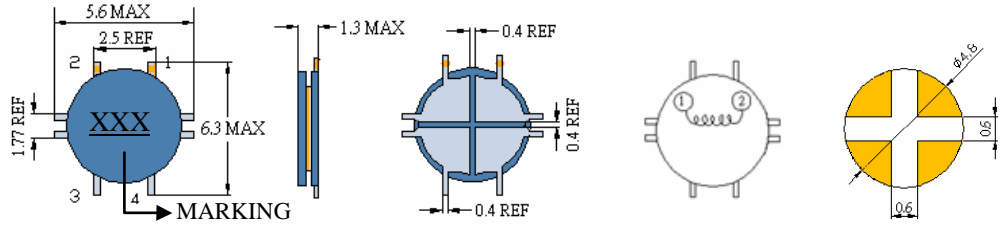


SCH4312

SMD POWER INDUCTORS



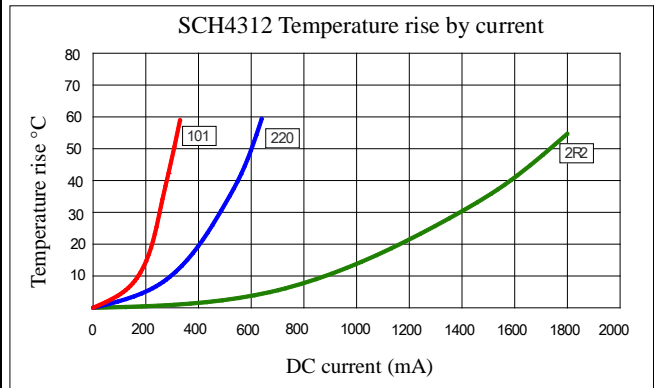
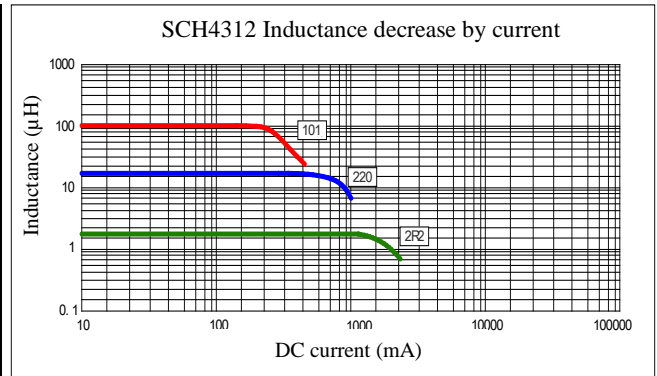
• Features

1. Open frame construction
2. Excellent Power Density
3. Engineered to Provide High Efficiency
4. Low Profile

ELECTRICAL CHARACTERISTICS



Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current ⁽³⁾ (A)	Temperature Current ⁽⁴⁾ (A)
SCH4312-2R2	2.2	100KHZ	104m	1.30	1.38
SCH4312-3R3	3.3	100KHZ	145m	1.00	1.20
SCH4312-4R7	4.7	100KHZ	200m	0.84	1.00
SCH4312-6R8	6.8	100KHZ	270m	0.74	0.88
SCH4312-100	10	100KHZ	403m	0.56	0.74
SCH4312-120	12	100KHZ	456m	0.53	0.64
SCH4312-150	15	100KHZ	570m	0.50	0.62
SCH4312-180	18	100KHZ	690m	0.45	0.56
SCH4312-220	22	100KHZ	930m	0.37	0.50
SCH4312-270	27	100KHZ	1.00	0.35	0.45
SCH4312-330	33	100KHZ	1.32	0.33	0.40
SCH4312-390	39	100KHZ	1.55	0.28	0.38
SCH4312-470	47	100KHZ	1.72	0.26	0.34
SCH4312-560	56	100KHZ	1.95	0.25	0.32
SCH4312-680	68	100KHZ	2.60	0.23	0.30
SCH4312-820	82	100KHZ	2.95	0.21	0.28
SCH4312-101	100	100KHZ	3.36	0.18	0.26



- (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.