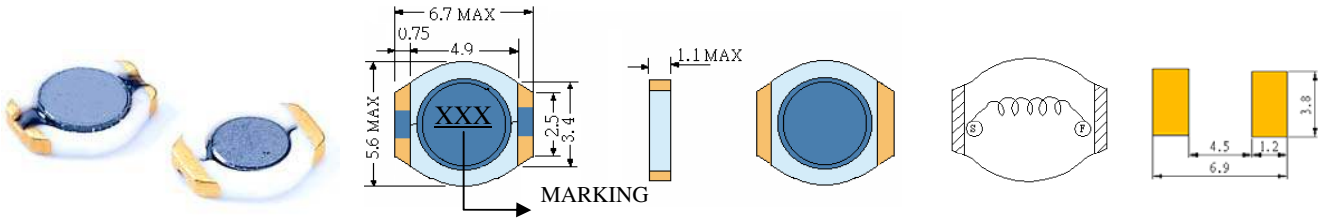
SC1704

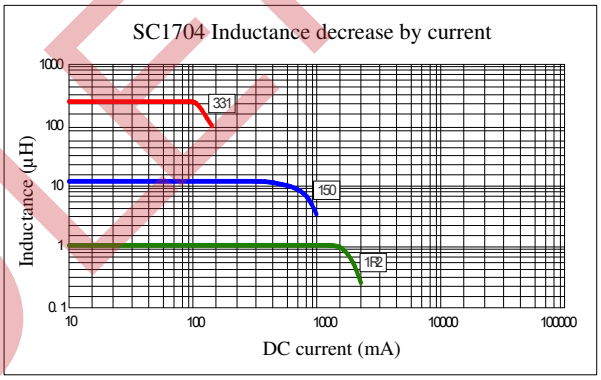
SMD POWER INDUCTORS

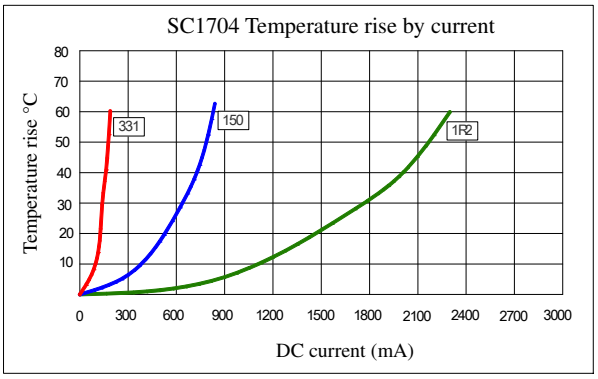


● Features
1. Non-magnetically shielded construction – Low EMI
2 Excellent Power Density
3 Engineered to Provide High Efficiency

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SC1704-1R2	1.2	100KHZ	0.12	1.50	1.70
SC1704-1R5	1.5	100KHZ	0.14	1.05	1.50
SC1704-2R2	2.2	100KHZ	0.15	0.90	1.35
SC1704-3R3	3.3	100KHZ	0.19	0.80	1.25
SC1704-4R7	4.7	100KHZ	0.25	0.68	1.00
SC1704-6R8	6.8	100KHZ	0.32	0.60	0.88
SC1704-100	10	100KHZ	0.41	0.50	0.68
SC1704-150	15	100KHZ	0.66	0.40	0.60
SC1704-220	22	100KHZ	0.96	0.32	0.48
SC1704-330	33	100KHZ	1.50	0.25	0.40
SC1704-470	47	100KHZ	2.16	0.20	0.35
SC1704-680	68	100KHZ	3.40	0.18	0.27
SC1704-101	100	100KHZ	4.60	0.16	0.23
SC1704-151	150	100KHZ	6.40	0.13	0.19
SC1704-221	220	100KHZ	8.30	0.10	0.16
SC1704-331	330	100KHZ	15.0	0.09	0.13





(1). Inductance tolerance for 1.2uH~1.5uH: ±30%, for 2.2uH~330uH: ±20%. Tested at 0.25V, 0ADC and 25℃.
(2). DCR measured at 25℃.
(3). The DC current at which the inductance decreases by 10% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ ambient.

OBSOLETE

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