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SCIHP1367 Inductance decrease by current

This graph plots Inductance (μH) on a logarithmic y-axis (1.0 to 100) against DC current (mA) on a logarithmic x-axis (0 to 100,000). Three curves are shown for different power ratings: 100 (red), 5R6 (blue), and 2R2 (green). Inductance remains relatively constant at low currents and decreases as current increases, particularly above 10,000 mA.

DC current (mA)	100 (μH)	5R6 (μH)	2R2 (μH)
10	10	4	1.5
100	10	4	1.5
1000	10	4	1.5
10000	8	3.5	1.5
100000	-	2.5	1.2

SCIHP1367 Temperature rise by current

This graph plots Temperature rise (°C) on a linear y-axis (0 to 80) against DC current (mA) on a linear x-axis (0 to 30,000). Three curves are shown for different power ratings: 100 (red), 5R6 (blue), and 2R2 (green). Temperature rise increases with current, with the 100 rating showing the steepest increase.

DC current (mA)	100 (°C)	5R6 (°C)	2R2 (°C)
0	3	3	3
5000	10	5	4
10000	35	15	8
15000	-	35	15
20000	-	-	35
25000	-	-	60

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