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SCIHP1367 Inductance decrease by current

This graph shows the inductance (μH) on a logarithmic y-axis (1.0 to 100) versus DC current (mA) on a logarithmic x-axis (0 to 100,000). Three curves are plotted for different power ratings: 100 (red), 5R6 (blue), and 2R2 (green). Inductance remains relatively constant at low currents and decreases slightly at higher currents.

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	9	3.5	1.5
100000	-	2.5	1.2

SCIHP1367 Temperature rise by current

This graph shows the temperature rise (°C) on a linear y-axis (0 to 80) versus DC current (mA) on a linear x-axis (0 to 30,000). Three curves are plotted 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	20	8
15000	65	60	18
20000	-	-	35
25000	-	-	60

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