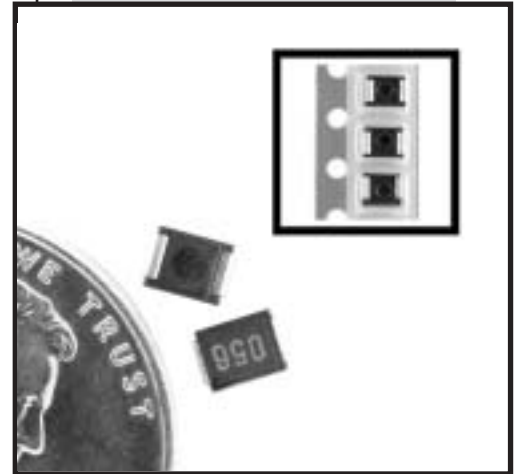
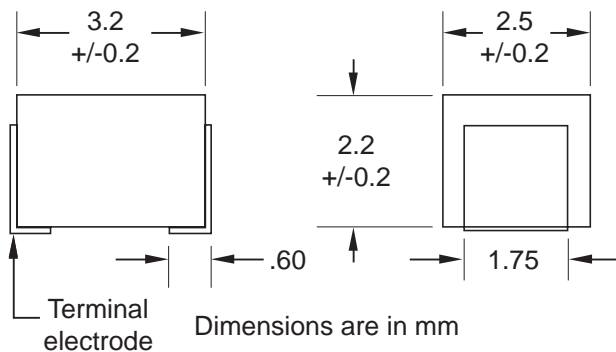


# SMC 1210 Surface Mount Chip Inductors



Wilco Part Number	Inductance (uh)	Tolerance (%)	Q Min.	SRF Min. (MHz)	DCR Max	Idc Max. Amps	Test Freq. (MHz)
SMC1210-R10M	0.10	+/- 20	28	700	0.44	0.45	100
SMC1210-R15M	0.15	+/- 20	30	450	0.25	0.45	25.2
SMC1210-R22M	0.22	+/- 20	30	350	0.32	0.45	25.2
SMC1210-R33M	0.33	+/- 20	30	300	0.40	0.45	25.2
SMC1210-R47M	0.47	+/- 20	30	220	0.50	0.45	25.2
SMC1210-R68M	0.68	+/- 20	30	160	0.60	0.45	25.2
SMC1210-1R0K	1.0	+/- 10	28	120	0.70	0.40	7.96
SMC1210-1R5K	1.5	+/- 10	28	85	0.85	0.37	7.96
SMC1210-2R2K	2.2	+/- 10	30	75	1	0.32	7.96
SMC1210-3R3K	3.3	+/- 10	30	60	1.2	0.26	7.96
SMC1210-4R7K	4.7	+/- 10	30	50	1.7	0.22	7.96
SMC1210-6R8K	6.8	+/- 10	30	43	2.0	0.18	7.96
SMC1210-100K	10	+/- 10	30	36	2.5	0.15	2.52
SMC1210-150K	15	+/- 10	30	30	3.2	0.13	2.52
SMC1210-220K	22	+/- 10	30	25	4.0	0.11	2.52
SMC1210-330K	33	+/- 10	30	17	5.6	0.07	2.52
SMC1210-470K	47	+/- 10	30	15	7.0	0.06	2.52
SMC1210-680K	68	+/- 10	30	12	9.0	0.05	2.52
SMC1210-101K	100	+/- 10	30	10	10	0.04	0.796
SMC1210-121K	120	+/- 10	20	10	11	0.07	0.796
SMC1210-151K	150	+/- 10	20	8	15	0.065	0.796
SMC1210-181K	180	+/- 10	20	7	17	0.06	0.796

## FEATURES

- Ideal for use in high density circuit design
- Suitable for pick and place assembly
- Excellent solderability by reflow soldering or soldering iron
- Resistant to external shocks and pressure
- Intermediate values available

## APPLICATIONS

- DC to DC converters
- Switching regulators
- Power supplies
- EMI/RFI filtering

- Packaged 2,000 per reel
- Temperature: Inductance change +/-10% max change in Q +/-20% max @ -20°C to 80°C.
- Terminal Pull Strength: A 1Kg load applied to both terminals in the axis direction for 1 min.
- Insulation Resistance: 1000 Mohms min 100VDC applied between terminal and case.

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