



FEATURES

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

APPLICATIONS

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

Wilco Part Number	L (uH)	Tolerance (%)	Q Min.	SRF Min	DCR Max	idc Max. Amps	Test Freq. Mhz
SMC1812-R10M	0.10	+/- 20	35	300	0.18	0.800	25.2
SMC1812-R22M	0.22	+/- 20	40	200	0.25	0.665	25.2
SMC1812-R33M	0.33	+/- 20	40	165	0.28	0.605	25.2
SMC1812-R47M	0.47	+/- 20	40	145	0.32	0.545	25.2
SMC1812-R68M	0.68	+/- 20	40	135	0.40	0.500	25.2
SMC1812-1R0K	1.0	+/- 10	50	100	0.50	0.450	7.96
SMC1812-1R5K	1.5	+/- 10	50	70	0.60	0.410	7.96
SMC1812-2R2K	2.2	+/- 10	50	55	0.70	0.380	7.96
SMC1812-3R3K	3.3	+/- 10	50	45	0.80	0.355	7.96
SMC1812-4R7K	4.7	+/- 10	50	35	1.00	0.315	7.96
SMC1812-6R8K	6.8	+/- 10	50	27	1.20	0.285	7.96
SMC1812-100K	10	+/- 10	50	20	1.60	0.250	2.52
SMC1812-150K	15	+/- 10	50	17	2.50	0.200	2.52
SMC1812-220K	22	+/- 10	50	13	3.20	0.180	2.52
SMC1812-330K	33	+/- 10	50	11	4.00	0.160	2.52
SMC1812-470K	47	+/- 10	50	10	5.00	0.140	2.52
SMC1812-680K	68	+/- 10	50	9.0	6.00	0.130	2.52
SMC1812-101K	100	+/- 10	40	8.0	8.00	0.110	0.796
SMC1812-151K	150	+/- 10	40	5.0	9.00	0.105	0.796
SMC1812-221K	220	+/- 10	40	4.0	10.0	0.100	0.796
SMC1812-331K	330	+/- 10	40	3.5	14.0	0.085	0.796
SMC1812-471K	470	+/- 10	40	3.0	26.0	0.062	0.796
SMC1812-681K	680	+/- 10	30	3.0	30.0	0.050	0.796
SMC1812-102K	1000	+/- 10	30	2.5	40.0	0.030	0.796

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- Packaged 500 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.