



ELECTRICAL CHARACTERISTICS

PART NO.	Inductance (μ H) $\pm 20\%$	SRF (MHz)	RDC (Ω) MAX.	I sat (A)	Irms (A)
SMP-456603-1R0 M	1.0	130	0.05	2.90	2.90
SMP-456603-1R5 M	1.5	115	0.05	2.60	2.80
SMP-456603-2R2 M	2.2	90	0.07	2.30	2.4
SMP-456603-3R3 M	3.3	70	0.08	2.00	2.0
SMP-456603-4R7 M	4.7	50	0.09	1.50	1.5
SMP-456603-6R8 M	6.8	45	0.13	1.20	1.4
SMP-456603-100 M	10	35	0.16	1.10	1.1
SMP-456603-150 M	15	30	0.23	0.90	1.0
SMP-456603-220 M	22	20	0.37	0.70	0.8
SMP-456603-330 M	33	15	0.51	0.58	0.6
SMP-456603-470 M	47	14	0.64	0.50	0.5
SMP-456603-680 M	68	11	0.86	0.40	0.4
SMP-456603-101 M	100	9	1.27	0.31	0.3
SMP-456603-151 M	150	6	2.00	0.27	0.25
SMP-456603-221 M	220	5.5	2.65	0.22	0.2
SMP-456603-331 M	330	5	3.80	0.18	0.16
SMP-456603-471 M	470	4	5.06	0.16	0.15
SMP-456603-681 M	680	3	9.20	0.14	0.12
SMP-456603-102 M	1000	2	13.8	0.10	0.07

- Tested at 100 KHz, 0.1 Vrms
- Inductance drop = 10% Typical at rated Isat
- $\Delta T = 15^{\circ}\text{C}$ Typical at Irms
- Operating Temperature range -40°C to $+85^{\circ}\text{C}$

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ELECTRICAL CHARACTERISTICS

Part Number	Inductance at 100kHz 0.1Vrms ($\mu\text{H} \pm 20\%$)	DC Resistance ($\Omega \pm 15\%$)	I sat ² (Amps) Inductance drop = 10%
SMP-951303-100M	10	0.09	2.4
SMP-951303-150M	15	0.12	2.0
SMP-951303-220M	22	0.19	1.6
SMP-951303-330M	33	0.25	1.4
SMP-951303-470M	47	0.32	1.0
SMP-951303-680M	68	0.55	0.9
SMP-951303-101M	100	0.70	0.7
SMP-951303-151M	150	1.0	0.6
SMP-951303-221M	220	1.6	0.5
SMP-951303-331M	330	2.2	0.4
SMP-951303-471M	470	3.3	0.3
SMP-951303-681M	680	4.4	0.2
SMP-951303-102M	1000	7.0	0.1

- Tested at 100 KHz, 0.1 Vrms
- Inductance drop = 10% Typical at rated Isat
- $\Delta T = 40^\circ\text{C}$ Typical at Irms
- Operating Temperature range -40°C to $+85^\circ\text{C}$

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ELECTRICAL CHARACTERISTICS

Part Number	Inductance at 100kHz 0.1Vrms ($\mu\text{H} \pm 20\%$)	DC Resistance ($\Omega \pm 15\%$)	I sat ² (Amps) Inductance drop = 10%
SMP-951306-1R0M	1.0	0.008	9.0
SMP-951306-1R5M	1.5	0.009	8.0
SMP-951306-2R2M	2.2	0.010	7.0
SMP-951306-3R3M	3.3	0.013	6.4
SMP-951306-4R7M	4.7	0.016	5.4
SMP-951306-6R8M	6.8	0.019	4.6
SMP-951306-100M	10	0.025	3.8
SMP-951306-150M	15	0.040	3.0
SMP-951306-220M	22	0.050	2.6
SMP-951306-330M	33	0.088	2.0
SMP-951306-470M	47	0.12	1.6
SMP-951306-680M	68	0.16	1.4
SMP-951306-101M	100	0.23	1.2
SMP-951306-151M	150	0.33	1.0
SMP-951306-221M	220	0.53	0.8
SMP-951306-331M	330	0.81	0.6
SMP-951306-471M	470	1.10	0.5
SMP-951306-681M	680	1.60	0.4
SMP-951306-102M	1000	2.15	0.3

- Tested at 100 KHz, 0.1 Vrms
- Inductance drop = 10% Typical at rated Isat
- $\Delta T = 40^\circ\text{C}$ Typical at Irms
- Operating Temperature range -40°C to $+85^\circ\text{C}$

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ELECTRICAL CHARACTERISTICS

Part Number	Inductance ($\mu\text{H} \pm 20\%$)	DC Resistance (Ω max)	I sat ² (Amps)
SMP-951312-100M	10	0.033	8.0
SMP-951312-150M	15	0.042	7.0
SMP-951312-220M	22	0.054	5.5
SMP-951312-330M	33	0.080	4.0
SMP-951312-470M	47	0.10	3.8
SMP-951312-680M	68	0.17	3.0
SMP-951312-101M	100	0.22	2.5
SMP-951312-151M	150	0.34	2.0
SMP-951312-221M	220	0.44	1.6
SMP-951312-331M	330	0.70	1.2
SMP-951312-471M	470	0.95	1.0
SMP-951312-681M	680	1.20	1.0
SMP-951312-102M	1000	2.00	0.8

- Tested at 100 KHz, 0.1 Vrms
- Inductance drop = 10% Typical at rated Isat
- $\Delta T = 40^\circ\text{C}$ Typical at Irms
- Operating Temperature range -40°C to $+85^\circ\text{C}$

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ELECTRICAL CHARACTERISTICS

Part Number	Inductance ($\mu\text{H} \pm 20\%$)	DC Resistance ($\Omega \pm 15\%$)	I sat ² (Amps)	I rms ³ (Amps)
SMP-161972-1R0M	1.0	0.011	20	8.6
SMP-161972-2R2M	2.2	0.014	16	7.1
SMP-161972-3R3M	3.3	0.016	14	6.2
SMP-161972-5R6M	5.6	0.022	12	5.3
SMP-161972-100M	10	0.032	10	4.3
SMP-161972-150M	15	0.036	8.0	4.0
SMP-161972-220M	22	0.047	7.0	3.5
SMP-161972-330M	33	0.066	5.5	3.0
SMP-161972-470M	47	0.089	4.5	2.6
SMP-161972-680M	68	0.130	3.5	2.3
SMP-161972-101M	100	0.190	3.0	1.8
SMP-161972-151M	150	0.250	2.6	1.5
SMP-161972-221M	220	0.380	2.4	1.2
SMP-161972-331M	330	0.560	1.9	1.0
SMP-161972-471M	470	0.850	1.4	0.82
SMP-161972-681M	680	1.200	1.2	0.72
SMP-161972-102M	1000	1.800	1.0	0.56

- Tested at 100 KHz, 0.1 Vrms
- Inductance drop = 10% Typical at rated Isat
- $\Delta T = 40^\circ\text{C}$ Typical at Irms
- Operating Temperature range -40°C to $+85^\circ\text{C}$

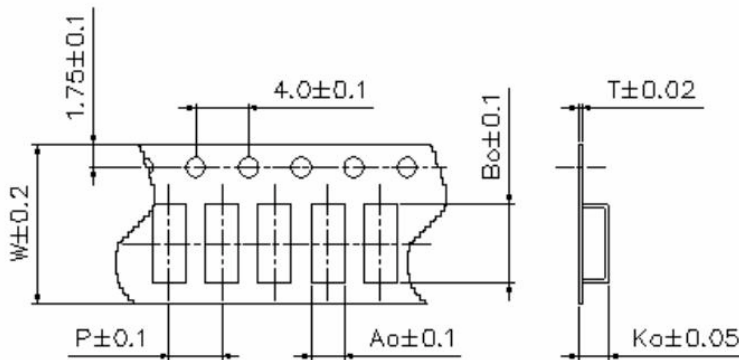
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SMD Power Chokes, SMP Series

DIMENSIONS OF TAPING



Series	W	P	A0	B0	K0	T	Quantity	
							7" Reel	13" Reel
SMP - 456603	12	8	4.8	6.9	3.0	0.25	750	2000
SMP - 951303	24	12	9.7	13.25	3.3	0.3		1000
SMP - 951306	24	12	9.7	13.25	5.4	0.3		500
SMP - 951312	24	12	9.7	13.25	11.7	0.3		225
SMP - 161972	32	20	15.4	18.8	8	0.4		250

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