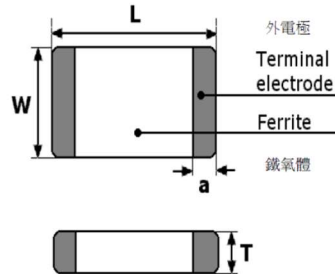




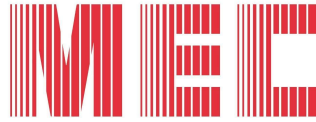
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## MULTILAYER FERRITE CHIP INDUCTOR 201209 (0805) RANGE



<u>Size</u>	<u>L (mm)</u>	<u>W (mm)</u>	<u>T (mm)</u>	<u>A (mm)</u>
201209	$2.0 \pm 0.15$	$1.25 \pm 0.03$	$0.85 \pm 0.15$ *= $1.25 \pm 0.20$	$0.5 \pm 0.2$

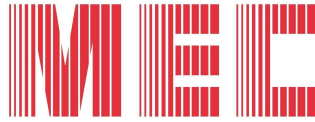
<u>Part Number</u>	<u>Inductance uh @100MHz</u>	<u>Q Min</u>	<u>Test Freq (MHz)</u>	<u>Self-Resonant Freq. (MHz) Min</u>	<u>DC Resistance (<math>\Omega</math>) Max</u>	<u>Rated Current (ma) Max.</u>
MLI-201209-47L	$0.047 \pm 20\%$	10	50	320	0.20	300
MLI-201209-68L	$0.068 \pm 20\%$	15	50	280	0.20	300
MLI-201209-82L	$0.082 \pm 20\%$	15	50	255	0.20	300
MLI-201209-R10L	$0.10 \pm 10\%$	20	25	235	0.30	250
MLI-201209-R12L	$0.12 \pm 10\%$	20	25	220	0.30	250
MLI-201209-R18L	$0.18 \pm 10\%$	20	25	185	0.40	250
MLI-201209-R22L	$0.22 \pm 10\%$	20	25	170	0.50	250
MLI-201209-R27L	$0.27 \pm 10\%$	20	25	150	0.50	250
MLI-201209-R33L	$0.33 \pm 10\%$	20	25	145	0.55	250
MLI-201209-R47L	$0.47 \pm 10\%$	25	25	125	0.65	200
MLI-201209-R56L	$0.56 \pm 10\%$	25	25	115	0.75	150
MLI-201209-R68L	$0.68 \pm 10\%$	25	25	105	0.80	150
MLI-201209-R82L	$0.82 \pm 10\%$	25	25	100	1.00	150
MLI-201209-1R0M	$1.0 \pm 20\%$	45	10	75	0.40	50
MLI-201209-1R2M	$1.2 \pm 10\%$	45	10	65	0.50	50



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MLI-201209-1R8M	1.8 ± 10%	45	10	55	0.60	50
MLI-201209-2R2M	2.2 ± 10%	45	10	50	0.65	30
MLI-201209-3R3M	3.3 ± 10%	45	10	41	0.80	30
MLI-201209-4R7M	4.7 ± 10%	45	10	35	1.00	30
MLI-201209-5R6M	5.6 ± 10%	50	4	32	0.90	15
MLI-201209-6R8M	6.8 ± 10%	20	4	29	1.00	15
MLI-201209-8R2M	8.2 ± 10%	50	4	26	1.10	15
MLI-201209-100M	10 ± 10%	50	2	24	1.15	15
MLI-201209-120M	12 ± 10%	50	2	22	1.25	15
MLI-201209-180M	18 ± 10%	30	1	18	0.90	5
MLI-201209-220M	22 ± 20%	30	1	16	1.10	5
MLI-201209-330M	33 ± 20%	30	1	13	1.25	5

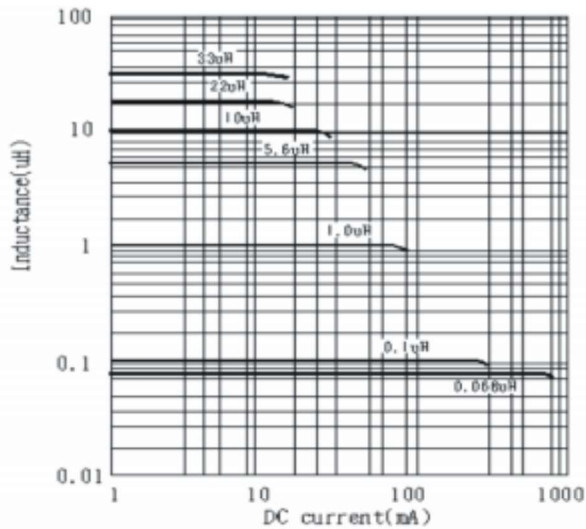
Test data obtained using E4991A impedance analyser.



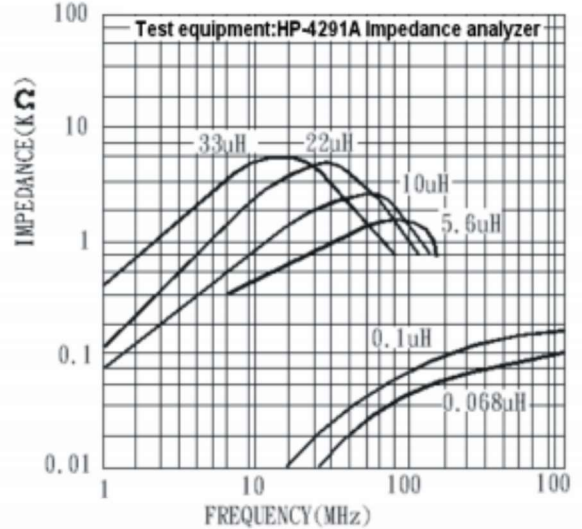
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## TYPICAL ELECTRICAL CHARACTERISTICS 201209 (0805) RANGE

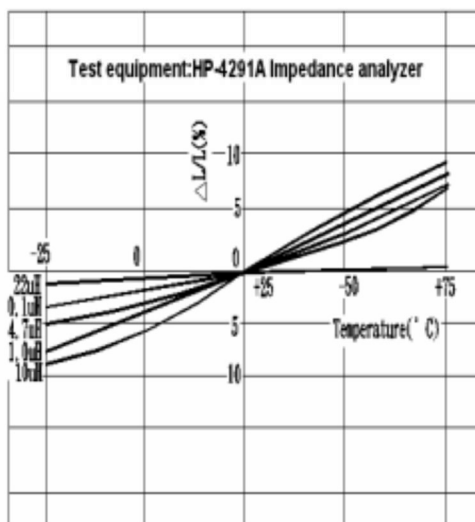
**INDUCTANCE vs. DC SUPERPOSITION**



**IMPEDANCE vs. FREQUENCY**



**INDUCTANCE vs. TEMPERATURE**



**Q vs. FREQUENCY**

