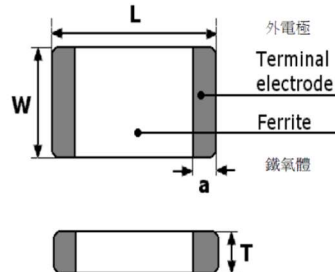


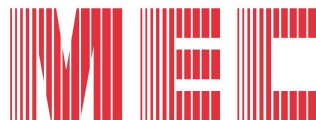
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## MULTILAYER FERRITE CHIP INDUCTOR 160808 (0603) RANGE



<u>Size</u>	<u>L (mm)</u>	<u>W (mm)</u>	<u>T (mm)</u>	<u>A (mm)</u>
160808	1.6±0.15	0.8±0.03	0.8±0.15	0.3±0.2

<u>Part Number</u>	<u>Inductance <math>\mu</math>h</u> <u>Tolerance</u>	<u>Q Min</u>	<u>Test Freq</u> <u>(MHz)</u>	<u>Self-Resonant</u> <u>Freq. (MHz) Min</u>	<u>DC Resistance</u> <u>(<math>\Omega</math>) Max</u>	<u>Rated Current</u> <u>(ma) Max.</u>
MLI-160808-47L	0.047±20%	10	50	260	0.30	50
MLI-160808-68L	0.068±20%	10	50	250	0.30	50
MLI-160808-82L	0.082±20%	10	50	245	0.30	50
MLI-160808-R10L	0.1±10%	15	25	240	0.50	50
MLI-160808-R12L	0.12±10%	15	25	205	0.50	50
MLI-160808-R22L	0.22±10%	15	25	150	0.80	50
MLI-160808-R27L	0.27±10%	15	25	136	0.80	50
MLI-160808-R33L	0.33±10%	15	25	125	0.85	35
MLI-160808-R39L	0.39±10%	15	25	110	1.0	35
MLI-160808-R47L	0.47±10%	15	25	105	1.35	35
MLI-160808-R56L	0.56±10%	15	25	95	1.55	35
MLI-160808-R68L	0.68±10%	15	25	90	1.70	35
MLI-160808-R82L	0.82±10%	15	25	85	2.10	35
MLI-160808-1R0M	1.0±10%	35	25	75	0.60	25
MLI-160808-1R2M	1.2±20%	35	10	65	0.80	25

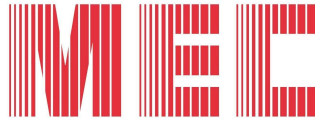


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MLI-160808-1R8M	1.8±10%	35	10	55	0.95	25
MLI-160808-2R2M	2.2±10%	35	10	50	1.15	15
MLI-160808-3R3M	3.3±10%	35	10	40	1.55	15
MLI-160808-4R7M	4.7±10%	35	10	33	2.10	15
MLI-160808-5R6M	5.6±10%	35	4	22	1.55	5
MLI-160808-6R8M	6.8±10%	35	4	20	1.70	5
MLI-160808-8R2M	8.2±10%	35	4	18	2.10	5
MLI-160808-100M	10±10%	30	17	2	1.85	3
MLI-160808-120M	12±10%	30	2	2	2.10	3
MLI-160808-180M	18±10%	15	1	1	2.00	1
MLI-160808-220M	22±20%	15	1	1	2.10	1

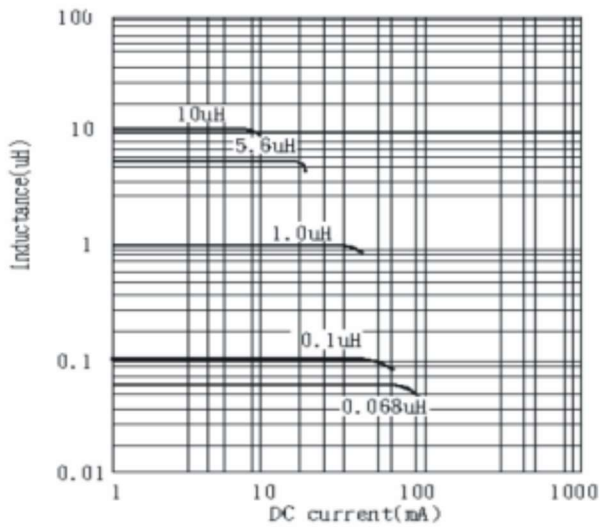
\*Test data obtained using E4991A impedance analyser.

## **TYPICAL ELECTRICAL CHARACTERISTICS** **160808 (0603) RANGE**

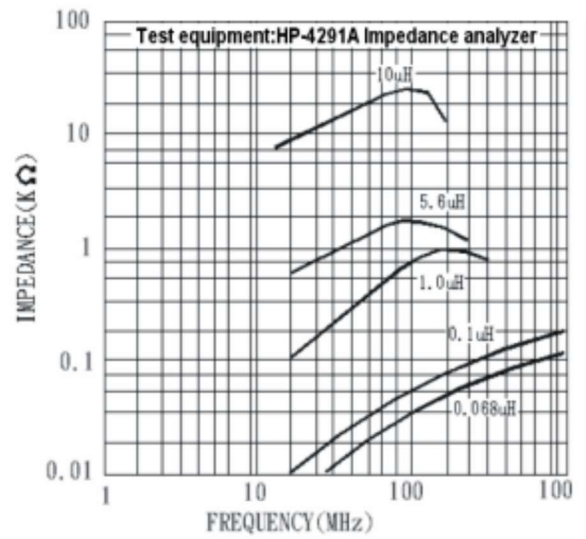


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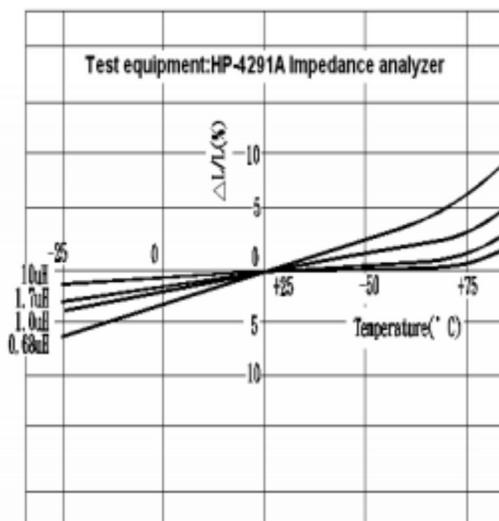
**INDUCTANCE vs. DC SUPERPOSITION**



**IMPEDANCE vs. FREQUENCY**



**INDUCTANCE vs. TEMPERATURE**



**Q vs. FREQUENCY**

