

Multilayer Ferrite Chip Inductor

積層式鐵氧體晶片電感

EBLS3216 (1206) TYPE 類型

Electrical Characteristics 電氣特性

Part Number 產品料號	Inductance 感值 (μ H) Tolerance 公差	Q Min. 品質 係數	Test Frequency 測試頻率 (MHz)	Self-resonant Frequency 共振頻率 (MHz) Min.	DC Resistance 直流電阻 (Ω) Max.	Rated Current 額定電流 (mA) Max.	Thickness 厚度 (mm)
EBLS3216-47NM	0.047 $\pm$ 20%	20	50	320	0.15	300	1.1 $\pm$ 0.3
EBLS3216-68NM	0.068 $\pm$ 20%	20	50	280	0.25	300	1.1 $\pm$ 0.3
EBLS3216-82NM	0.082 $\pm$ 20%	20	50	255	0.25	300	1.1 $\pm$ 0.3
EBLS3216-R10K,M	0.10 $\pm$ 10%, $\pm$ 20%	20	25	235	0.25	250	1.1 $\pm$ 0.3
EBLS3216-R12K,M	0.12 $\pm$ 10%, $\pm$ 20%	20	25	220	0.30	250	1.1 $\pm$ 0.3
EBLS3216-R15K,M	0.15 $\pm$ 10%, $\pm$ 20%	20	25	200	0.30	250	1.1 $\pm$ 0.3
EBLS3216-R18K,M	0.18 $\pm$ 10%, $\pm$ 20%	20	25	185	0.40	250	1.1 $\pm$ 0.3
EBLS3216-R22K,M	0.22 $\pm$ 10%, $\pm$ 20%	20	25	170	0.40	250	1.1 $\pm$ 0.3
EBLS3216-R27K,M	0.27 $\pm$ 10%, $\pm$ 20%	20	25	150	0.50	250	1.1 $\pm$ 0.3
EBLS3216-R33K,M	0.33 $\pm$ 10%, $\pm$ 20%	20	25	145	0.60	250	1.1 $\pm$ 0.3
EBLS3216-R39K,M	0.39 $\pm$ 10%, $\pm$ 20%	25	25	135	0.50	250	1.1 $\pm$ 0.3
EBLS3216-R47K,M	0.47 $\pm$ 10%, $\pm$ 20%	25	25	125	0.60	200	1.1 $\pm$ 0.3
EBLS3216-R56K,M	0.56 $\pm$ 10%, $\pm$ 20%	25	25	115	0.70	200	1.1 $\pm$ 0.3
EBLS3216-R68K,M	0.68 $\pm$ 10%, $\pm$ 20%	25	25	105	0.80	150	1.1 $\pm$ 0.3
EBLS3216-R82K,M	0.82 $\pm$ 10%, $\pm$ 20%	25	25	100	0.90	150	1.1 $\pm$ 0.3
EBLS3216-1R0K,M	1.0 $\pm$ 10%, $\pm$ 20%	45	10	75	0.40	100	1.1 $\pm$ 0.3
EBLS3216-1R2K,M	1.2 $\pm$ 10%, $\pm$ 20%	45	10	65	0.50	100	1.1 $\pm$ 0.3
EBLS3216-1R5K,M	1.5 $\pm$ 10%, $\pm$ 20%	45	10	60	0.50	50	1.1 $\pm$ 0.3
EBLS3216-1R8K,M	1.8 $\pm$ 10%, $\pm$ 20%	45	10	55	0.50	50	1.1 $\pm$ 0.3
EBLS3216-2R2K,M	2.2 $\pm$ 10%, $\pm$ 20%	45	10	50	0.60	50	1.1 $\pm$ 0.3
EBLS3216-2R7K,M	2.7 $\pm$ 10%, $\pm$ 20%	45	10	45	0.60	50	1.1 $\pm$ 0.3
EBLS3216-3R3K,M	3.3 $\pm$ 10%, $\pm$ 20%	45	10	41	0.70	50	1.1 $\pm$ 0.3
EBLS3216-3R9K,M	3.9 $\pm$ 10%, $\pm$ 20%	45	10	38	0.80	50	1.1 $\pm$ 0.3
EBLS3216-4R7K,M	4.7 $\pm$ 10%, $\pm$ 20%	45	10	35	0.90	50	1.1 $\pm$ 0.3
EBLS3216-5R6K,M	5.6 $\pm$ 10%, $\pm$ 20%	50	4	32	0.70	25	1.1 $\pm$ 0.3
EBLS3216-6R8K,M	6.8 $\pm$ 10%, $\pm$ 20%	50	4	29	0.80	25	1.1 $\pm$ 0.3

* TEST EQUIPMENT: E4991A IMPEDANCE ANALYZER 量測儀器：E4991A 阻抗分析儀

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EBLS3216-8R2K,M	8.2 $\pm$ 10%, $\pm$ 20%	50	4	26	0.90	25	1.1 $\pm$ 0.3
EBLS3216-100K,M	10 $\pm$ 10%, $\pm$ 20%	50	2	24	1.00	25	1.1 $\pm$ 0.3
EBLS3216-120K,M	12 $\pm$ 10%, $\pm$ 20%	50	2	22	1.05	15	1.1 $\pm$ 0.3
EBLS3216-150K,M	15 $\pm$ 10%, $\pm$ 20%	35	1	19	0.70	5	1.1 $\pm$ 0.3
EBLS3216-180K,M	18 $\pm$ 10%, $\pm$ 20%	35	1	18	0.70	5	1.1 $\pm$ 0.3
EBLS3216-220K,M	22 $\pm$ 10%, $\pm$ 20%	35	1	16	0.90	5	1.1 $\pm$ 0.3
EBLS3216-270K,M	27 $\pm$ 10%, $\pm$ 20%	35	1	14	0.90	5	1.1 $\pm$ 0.3
EBLS3216-330K,M	33 $\pm$ 10%, $\pm$ 20%	35	1	13	1.05	5	1.1 $\pm$ 0.3
EBLS3216-390K,M	39 $\pm$ 10%, $\pm$ 20%	40	2	11	3.00	10	1.6 $\pm$ 0.3
EBLS3216-470K,M	47 $\pm$ 10%, $\pm$ 20%	40	2	10	3.40	10	1.6 $\pm$ 0.3

* TEST EQUIPMENT: E4991A IMPEDANCE ANALYZER

量測儀器：E4991A 阻抗分析儀

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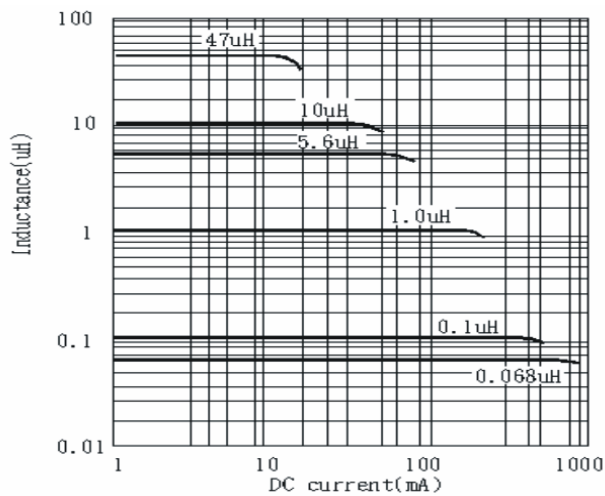
積層式鐵氧體晶片電感

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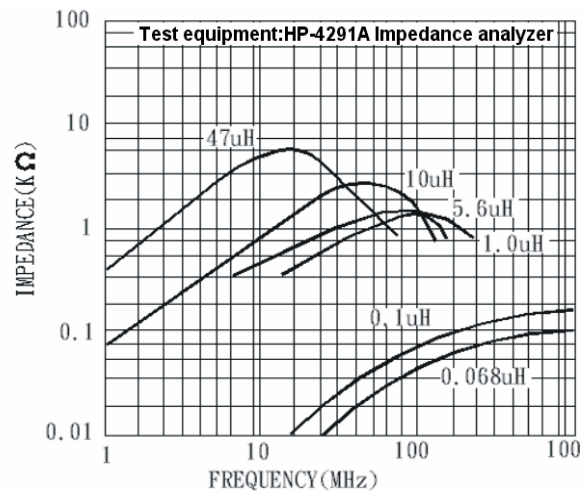
TYPICAL ELECTRICAL CHARACTERISTICS 典型電氣特性

Z, R, X vs. FREQUENCY CHARACTERISTICS 阻抗、電阻、感抗對頻率特性

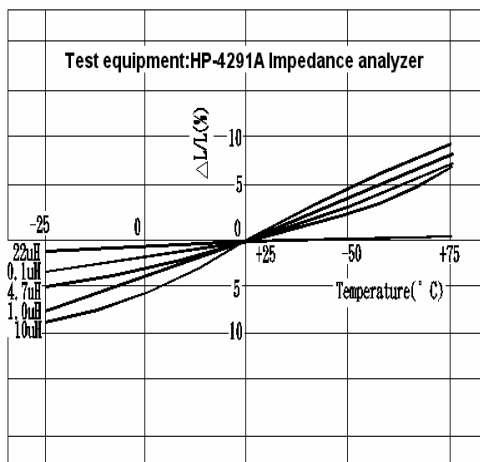
INDUCTANCE vs. DC SUPERPOSITION



IMPEDANCE vs. FREQUENCY



INDUCTANCE vs. TEMPERATURE



Q vs. FREQUENCY

