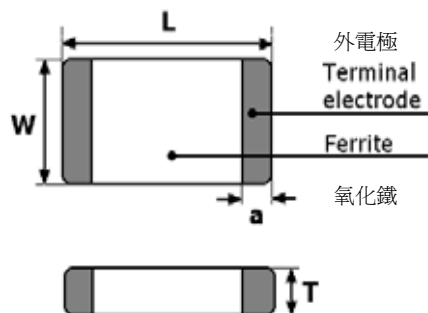


MULTILAYER CHIP INDUCTORS 積層式晶片電感

ACLS series for high current

ACLS 系列適用於大電流產品

SHAPES AND DIMENSIONS 形狀和尺寸



SHAPE 尺寸	L 長 m/m	W 寬 m/m	T 厚 m/m	a 銀寬 m/m
1608(0603)	1.6±0.15	0.8±0.15	0.8±0.15	0.2~0.6
2012(0805)	2.0±0.2	1.25±0.2	1.25±0.2	0.2~0.8
2016(0806)	2.0±0.2	1.6±0.2	1.6±0.2	0.2~0.8

Electrical characteristics 電氣特性

Part Number 料號	Inductance 感值 (μ H) Tolerance 公差	Q Typical Value 品質係數 參考值	Test Frequency L,Q(MHz) 測試頻率	Self-resonant Frequency (MHz)Min 共振頻率	DC Resistance (Ω)Max 直流阻抗	Rated Current (mA)Max 額定電流
1608 Series						
ACLS1608-4R7 M	4.7, $\pm 20\%$	5	7.96	45	0.55	70
ACLS1608-8R2 M	8.2, $\pm 20\%$	5	2.52	32	0.70	50
2012 Series						
ACLS2012-1R0 M	1.0, $\pm 20\%$	5	7.96	100	0.15	300
ACLS2012-2R2 M	2.2, $\pm 20\%$	5	7.96	80	0.23	240
ACLS2012-4R7 M	4.7, $\pm 20\%$	5	7.96	45	0.4	140
ACLS2012-100 M	10, $\pm 20\%$	10	2.52	32	0.7	100
ACLS2012-100RDC5 M	10, $\pm 20\%$	10	2.52	32	0.5	100
ACLS2012-220 M	22, $\pm 20\%$	10	2.52	16	1.7	75
ACLS2012-470 M	47, $\pm 20\%$	10	2.52	11	3.7	50
ACLS2012-101 M	100, $\pm 20\%$	10	0.796	8	7.0	30
2016 Series						
ACLS2016-1R0 M	1.0, $\pm 20\%$	10	7.96	100	0.09	455
ACLS2016-1R5 M	1.5, $\pm 20\%$	10	7.96	80	0.11	350
ACLS2016-2R2 M	2.2, $\pm 20\%$	10	7.96	70	0.13	315
ACLS2016-3R3 M	3.3, $\pm 20\%$	10	7.96	55	0.2	280
ACLS2016-4R7 M	4.7, $\pm 20\%$	10	7.96	45	0.25	210
ACLS2016-6R8 M	6.8, $\pm 20\%$	10	7.96	38	0.35	175
ACLS2016-100 M	10, $\pm 20\%$	10	2.52	32	0.5	155
ACLS2016-150 M	15, $\pm 20\%$	10	2.52	28	0.7	130
ACLS2016-220 M	22, $\pm 20\%$	10	2.52	16	1.0	105
ACLS2016-330 M	33, $\pm 20\%$	10	2.52	14	1.7	85
ACLS2016-470 M	47, $\pm 20\%$	10	2.52	11	2.4	60
ACLS2016-680 M	68, $\pm 20\%$	10	2.52	10	3	50
ACLS2016-101 M	100, $\pm 20\%$	10	0.796	8	4.5	40

*TEST EQUIPMENT: HP-4291A IMPEDANCE ANALYZER 量測儀器 : HP-4291A 分析電感值

*The product under development 此系列產品開發中

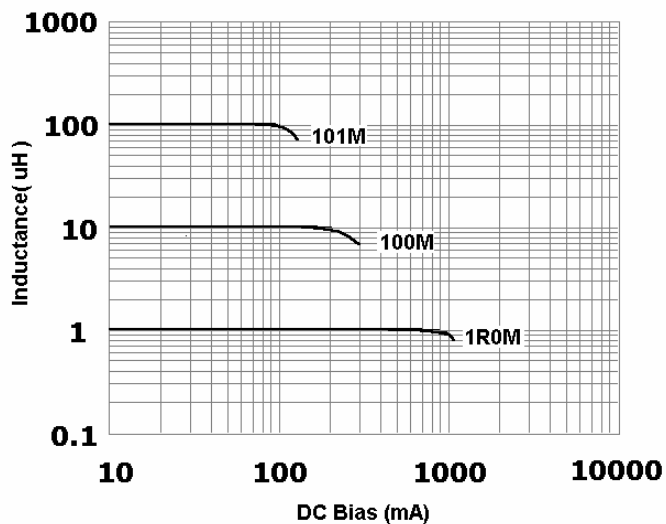
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MULTILAYER CHIP INDUCTORS 積層式晶片電感

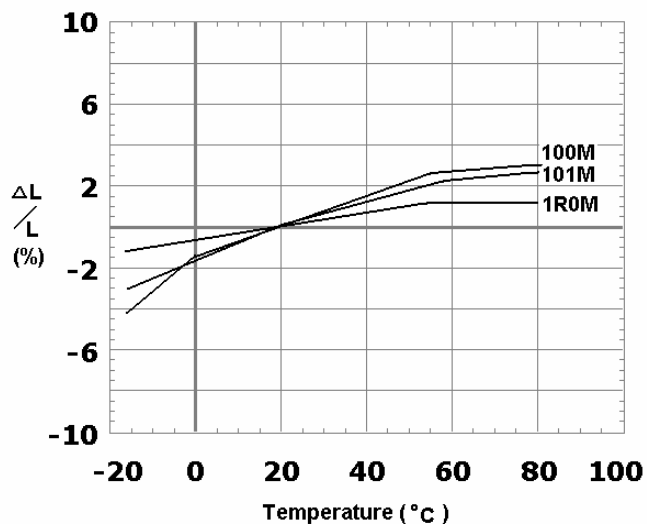
ACLS series 系列

TYPICAL ELECTRICAL CHARACTERISTICS 典型之電氣特性

Inductance vs. DC Bias



Rate of L change vs. Temperature



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