

MLCI2B系列叠层片式铁氧体电感器

★ 特征与用途

- 在较宽频率范围内具有优良的抑制EMI性能
- 内部印有银电极的叠层结构，铁氧体屏蔽无串扰
- 具有优良的焊接性能
- 广泛应用于通讯、视频/音频、计算机、遥控器等领域
- 参照GJB 1864A-2011、Q/XEC 20137-2017



FEATURES AND APPLICATIONS

★ 产品型号

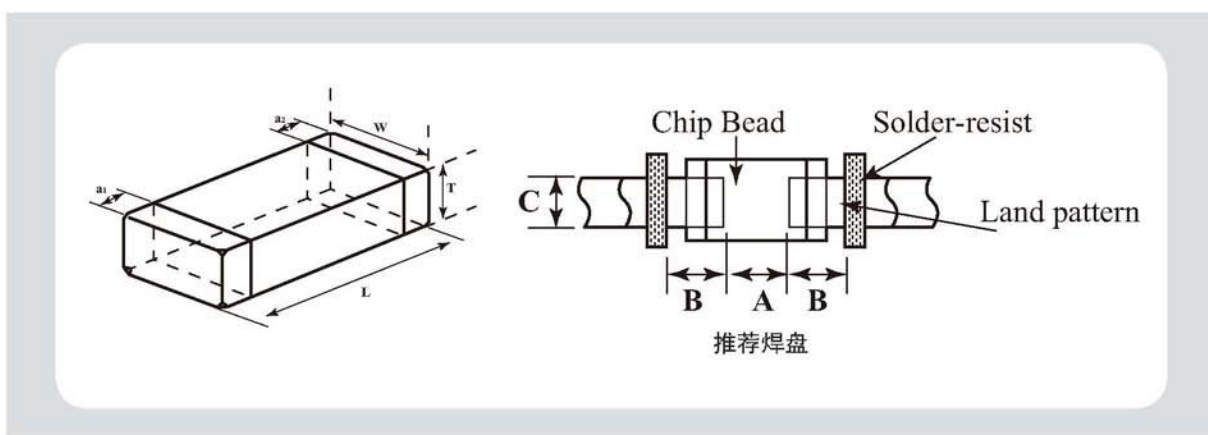
PRODUCT IDENTIFICATION

SDFL I 2B 1608 A 39N J B
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① 叠层片式结构固定电感器
- ② 材料：I表示铁氧体叠层片式电感器
- ③ 性能类别：2B表示潮湿、最高工作温度125℃
- ④ 产品外形尺寸：长×宽（mm）
- ⑤ 材质代号：A、B、C、D
- ⑥ 电感量：3N9表示3.9nH；39N表示39nH；R12表示120nH
- ⑦ 电感量偏差：S表示±0.3nH；J表示±5%；K表示±10%
- ⑧ 引出端材料代号：B表示镍镀铅锡合金

★ 外观尺寸

SHAPE AND DIMENSIONS



单位：mm

型号	L	W	T	a1、a2	A	B	C
MLCI2B1005	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.1	0.45~0.55	0.40~0.50	0.45~0.55
MLCI2B1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2	0.60~0.80	0.60~0.80	0.60~0.80
MLCI2B2012	2.0 (+0.3, -0.1)	1.25±0.2	0.85±0.2 1.25±0.2	0.5±0.3	0.80~1.20	0.80~1.20	0.90~1.60
MLCI2B3216	3.20±0.20	1.60±0.20	0.85±0.20 1.10±0.20	0.50±0.3	1.80~2.50	1.00~1.50	1.20~2.00

★ 规格特性

SPECIFICATIONS

● MLCI2B1005 TYPE

规格型号	电感量 (μH)	电感量 偏差	Q Min	Ls、Q 测试频率 (MHz)	自谐 频率 Min (MHz)	直流 电阻 Max (Ω)	额定直 流电流 Max (mA)
MLCI2B1005AR12□	0.12	K、M	10	25	165	0.8	25
MLCI2B1005AR15□	0.15	K、M	10	25	140	0.9	25
MLCI2B1005AR27□	0.27	K、M	15	25	95	1.2	25
MLCI2B1005AR47□	0.47	K、M	20	10	80	0.7	15
MLCI2B1005AR56□	0.56	K、M	20	10	75	0.8	15
MLCI2B1005AR68□	0.68	K、M	20	10	70	0.9	15
MLCI2B1005AR82□	0.82	K、M	20	10	65	0.9	15
MLCI2B1005B1R0□	1.0	K、M	20	10	40	0.9	15
MLCI2B1005B1R2□	1.2	K、M	20	10	35	1.2	15
MLCI2B1005B1R5□	1.5	K、M	20	10	30	1.2	15
MLCI2B1005B1R8□	1.8	K、M	20	10	30	1.45	15
MLCI2B1005B2R2□	2.2	K、M	20	10	28	1.7	10

● MLCI2B1608 TYPE

规格型号	电感量 (μH)	电感量 偏差	Q Min	Ls、Q 测试频率 (MHz)	自谐 频率 Min (MHz)	直流 电阻 Max (Ω)	额定直 流电流 Max (mA)
MLCI2B1608A47N□	0.047	K、M	10	50	260	0.3	50
MLCI2B1608A68N□	0.068	K、M	10	50	250	0.30	50
MLCI2B1608A82N□	0.082	K、M	10	50	245	0.30	50
MLCI2B1608AR10□	0.10	K、M	15	25	240	0.50	50
MLCI2B1608AR12□	0.12	K、M	15	25	205	0.50	50
MLCI2B1608AR15□	0.15	K、M	15	25	180	0.60	50
MLCI2B1608AR18□	0.18	K、M	15	25	165	0.60	50
MLCI2B1608AR22□	0.22	K、M	15	25	150	0.80	50
MLCI2B1608AR27□	0.27	K、M	15	25	136	0.80	50
MLCI2B1608AR33□	0.33	K、M	15	25	125	0.85	35
MLCI2B1608AR39□	0.39	K、M	15	25	110	1.00	35
MLCI2B1608AR47□	0.47	K、M	15	25	105	1.35	35
MLCI2B1608AR56□	0.56	K、M	15	25	95	1.55	35
MLCI2B1608AR68□	0.68	K、M	15	25	90	1.70	35
MLCI2B1608AR82□	0.82	K、M	15	25	85	2.10	35
MLCI2B1608B1R0□	1.0	K、M	35	10	75	0.60	25
MLCI2B1608B1R1□	1.1	K、M	35	10	75	0.60	25
MLCI2B1608B1R2□	1.2	K、M	35	10	65	0.80	25
MLCI2B1608B1R5□	1.5	K、M	35	10	60	0.80	25
MLCI2B1608B1R8□	1.8	K、M	35	10	55	0.95	25
MLCI2B1608B2R2□	2.2	K、M	35	10	50	1.15	25
MLCI2B1608B2R7□	2.7	K、M	35	10	45	1.35	15
MLCI2B1608B3R3□	3.3	K、M	35	10	40	1.55	15
MLCI2B1608B4R7□	4.7	K、M	35	10	33	2.10	15
MLCI2B1608C5R6□	5.6	K、M	35	4	22	1.55	5
MLCI2B1608C6R8□	6.8	K、M	35	4	20	1.70	5
MLCI2B1608C8R2□	8.2	K、M	35	4	18	2.10	5
MLCI2B1608D150□	15	K、M	20	1	14	1.70	1
MLCI2B1608D180□	18	K、M	20	1	13	1.85	1
MLCI2B160D220□	22	K、M	20	1	11	2.10	1
MLCI2B1608D270□	27	K、M	20	1	10	2.75	1
MLCI2B1608D330□	33	K、M	20	1	9	2.95	1

★ 规格特性

SPECIFICATIONS

● MLCI2B2012 TYPE

规格型号	电感量 (μH)	电感量 偏差	Q Min	Ls、Q 测试频率 (MHz)	自谐 频率 Min (MHz)	直流 电阻 Max (Ω)	额定直 流电流 Max (mA)
MLCI2B2012A47N□	0.047	K、M	15	50	320	0.20	300
MLCI2B2012A68N□	0.068	K、M	15	50	280	0.20	300
MLCI2B2012A82N□	0.082	K、M	15	50	255	0.20	300
MLCI2B2012AR10□	0.10	K、M	20	25	235	0.30	250
MLCI2B2012AR12□	0.12	K、M	20	25	220	0.30	250
MLCI2B2012AR15□	0.15	K、M	20	25	200	0.40	250
MLCI2B2012AR18□	0.18	K、M	20	25	185	0.40	250
MLCI2B2012AR22□	0.22	K、M	20	25	170	0.50	250
MLCI2B2012AR27□	0.27	K、M	20	25	150	0.50	250
MLCI2B2012AR33□	0.33	K、M	20	25	145	0.55	250
MLCI2B2012AR39□	0.39	K、M	25	25	135	0.65	200
MLCI2B2012AR47□	0.47	K、M	25	25	125	0.65	200
MLCI2B2012AR56□	0.56	K、M	25	25	115	0.75	150
MLCI2B2012AR68□	0.68	K、M	25	25	105	0.80	150
MLCI2B2012AR82□	0.82	K、M	25	25	100	1.00	150
MLCI2B2012B1R0□	1.0	K、M	45	10	75	0.40	50
MLCI2B2012B1R1□	1.1	K、M	45	10	65	0.50	50
MLCI2B2012B1R2□	1.2	K、M	45	10	65	0.50	50
MLCI2B2012B1R5□	1.5	K、M	45	10	60	0.50	50
MLCI2B2012B1R8□	1.8	K、M	45	10	55	0.60	50
MLCI2B2012B2R2□	2.2	K、M	45	10	50	0.65	30
MLCI2B2012B2R4□	2.4	K、M	45	10	47	0.70	30
MLCI2B2012B2R7□	2.7	K、M	45	10	45	0.75	30
MLCI2B2012B3R3□	3.3	K、M	45	10	41	0.80	30
MLCI2B2012B3R9□	3.9	K、M	45	10	38	0.90	30
MLCI2B2012B4R7□	4.7	K、M	45	10	35	1.00	30
MLCI2B2012C5R6□	5.6	K、M	50	4	32	0.90	15
MLCI2B2012C6R8□	6.8	K、M	50	4	29	1.00	15
MLCI2B2012C8R2□	8.2	K、M	50	4	26	1.10	15
MLCI2B2012C100□	10	K、M	50	2	24	1.15	15
MLCI2B2012C120□	12	K、M	50	2	22	1.25	15
MLCI2B2012D150□	15	K、M	30	1	19	0.80	5
MLCI2B2012D180□	18	K、M	30	1	18	0.90	5
MLCI2B2012D220□	22	K、M	30	1	16	1.10	5
MLCI2B2012D270□	27	K、M	30	1	14	1.15	5
MLCI2B2012D330□	33	K、M	30	1	13	1.25	5
MLCI2B2012D390□	39	K、M	35	2	8	2.90	4
MLCI2B2012D470□	47	K、M	35	2	7.5	3.00	4

★ 规格特性

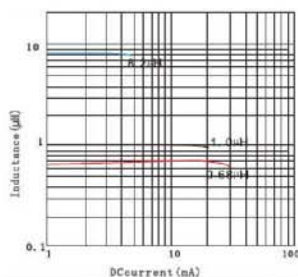
SPECIFICATIONS

● MLCI2B3216 TYPE

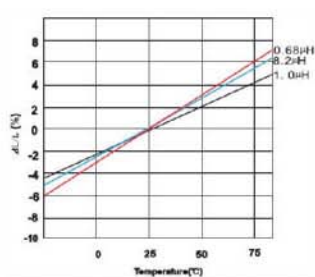
规格型号	电感量 (μH)	电感量 偏差	Q Min	Ls、Q 测试频率 (MHz)	自谐 频率 Min (MHz)	直流 电阻 Max (Ω)	额定直 流电流 Max (mA)
MLCI2B3216A47N□	0.047	K、M	20	50	320	0.15	300
MLCI2B3216A68N□	0.068	K、M	20	50	280	0.25	300
MLCI2B3216AR10□	0.10	K、M	20	25	235	0.25	250
MLCI2B3216AR12□	0.12	K、M	20	25	220	0.30	250
MLCI2B3216AR15□	0.15	K、M	20	25	200	0.30	250
MLCI2B3216AR18□	0.18	K、M	20	25	185	0.40	250
MLCI2B3216AR22□	0.22	K、M	20	25	170	0.40	250
MLCI2B3216AR27□	0.27	K、M	20	25	150	0.50	250
MLCI2B3216AR33□	0.33	K、M	20	25	145	0.60	250
MLCI2B3216AR39□	0.39	K、M	25	25	135	0.50	200
MLCI2B3216AR47□	0.47	K、M	25	25	125	0.60	200
MLCI2B3216AR56□	0.56	K、M	25	25	115	0.70	150
MLCI2B3216AR68□	0.68	K、M	25	25	105	0.80	150
MLCI2B3216AR82□	0.82	K、M	25	25	100	0.90	150
MLCI2B3216B1R0□	1.0	K、M	45	10	75	0.40	100
MLCI2B3216B1R2□	1.2	K、M	45	10	65	0.50	100
MLCI2B3216B1R5□	1.5	K、M	45	10	60	0.50	50
MLCI2B3216B1R8□	1.8	K、M	45	10	55	0.50	50
MLCI2B3216B2R2□	2.2	K、M	45	10	50	0.60	50
MLCI2B3216B2R7□	2.7	K、M	45	10	45	0.60	50
MLCI2B3216B3R3□	3.3	K、M	45	10	41	0.70	50
MLCI2B3216B3R9□	3.9	K、M	45	10	38	0.80	50
MLCI2B3216B4R7□	4.7	K、M	45	10	35	0.90	50
MLCI2B3216C5R6□	5.6	K、M	50	4	32	0.70	25
MLCI2B3216C6R8□	6.8	K、M	50	4	29	0.80	25
MLCI2B3216C8R2□	8.2	K、M	50	4	26	0.90	25
MLCI2B3216C100□	10	K、M	50	2	24	1.00	25
MLCI2B3216C120□	12	K、M	50	2	22	1.05	15
MLCI2B3216D150□	15	K、M	35	1	19	0.70	5
MLCI2B3216D180□	18	K、M	35	1	18	0.70	5
MLCI2B3216D220□	22	K、M	35	1	16	0.90	5
MLCI2B3216D270□	27	K、M	35	1	14	0.90	5
MLCI2B3216D330□	33	K、M	35	0.4	13	1.05	5
MLCI2B3216D390□	39	K、M	40	2	11	3.00	5
MLCI2B3216D470□	47	K、M	40	2	10	3.40	5

● MLCI2B1005 Series

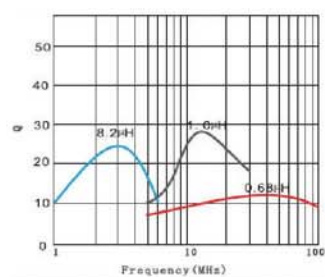
感量-电流曲线



感量-温度曲线

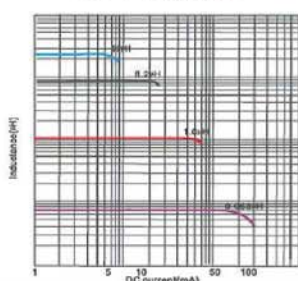


Q-频率曲线

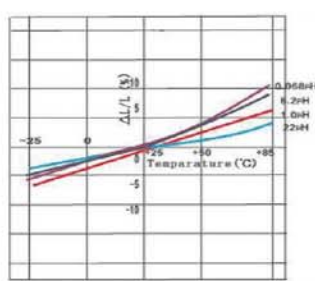


● MLCI2B1608 Series

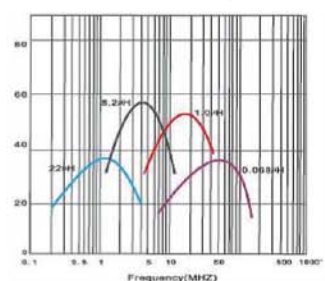
感量-电流曲线



感量-温度曲线

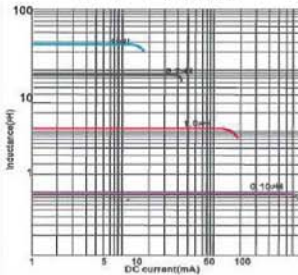


Q-频率曲线

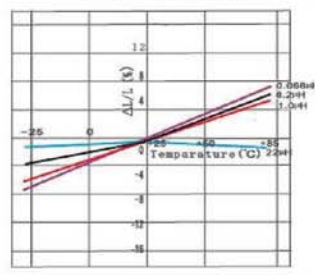


● MLCI2B2012 Series

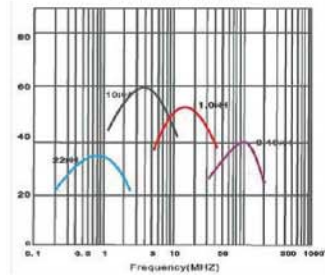
感量-电流曲线



感量-温度曲线

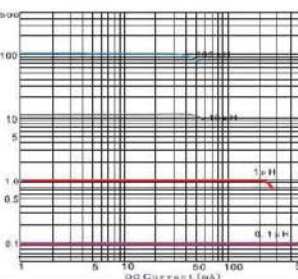


Q-频率曲线

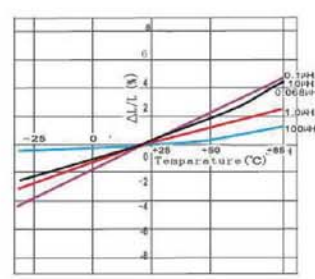


● MLCI2B3216 Series

感量-电流曲线



感量-温度曲线



Q-频率曲线

