

模压功率电感—MWLA-S 系列

Molded Power Inductors – MWLA-S Series



工作温度
Operating Temp

- ◆ -55°C ~+125°C (Including self-heating)

特征
Features

- ◆ 炭基粉材料，高饱和电流，低 DCR
- ◆ 优质材料，磁损低，效率高
- ◆ 一体化磁屏蔽结构，EMC 效果极佳
- ◆ 无卤，符合 RoHS 标准
- ◆ Carbonyl powder for large current and low DCR
- ◆ High quality material, low magnetic loss and high efficiency
- ◆ Integrated magnetic shielding structure, excellent EMC effect
- ◆ Halogen free, RoHS compliant

用途
Applications

- ◆ 高频开关电源、UPS 电源显卡、音箱功放
- ◆ 笔记本电脑、平板电脑、电脑主机板
- ◆ 视像设备、仪器仪表、机顶盒、DVD 机
- ◆ High frequency switching power supply, UPS power supply graphics cards, audio amplifiers
- ◆ Notebooks, tablets, computer motherboard
- ◆ Video equipment, instrumentation, set-top boxes, DVD players

产品型号

Product Identification

1	2	3	4	5	6
MWLA	0402S	XXX	□	T	□□□

1	分类 Type
MWLA	模压式贴片功率电感 Molded SMD Power Inductors

2	外形尺寸 (L×W×H) [mm] External Dimensions (L×W×H) [mm]
0415	4.4×4.2×1.3
0402	4.4×4.2×1.8
0502	5.7×5.2×1.8
0503	5.7×5.2×2.8
0618	7.3×6.6×1.6
0624	7.3×6.6×2.2
0603	7.3×6.6×2.8
0604	7.3×6.6×3.8
0605	7.05×6.6×4.8
0803	8.6×8.2×2.8
0804	8.6×8.2×3.8
0806	8.7×8.2×6.0
1004	11.0×10.0×3.8
1005	11.0×10.0×4.8
1235	13.5×12.6×3.3
1250	13.5×12.6×4.7
1206	13.5×12.6×5.7
1265	13.5×12.6×6.2
1707	17.5×17.0×7.0

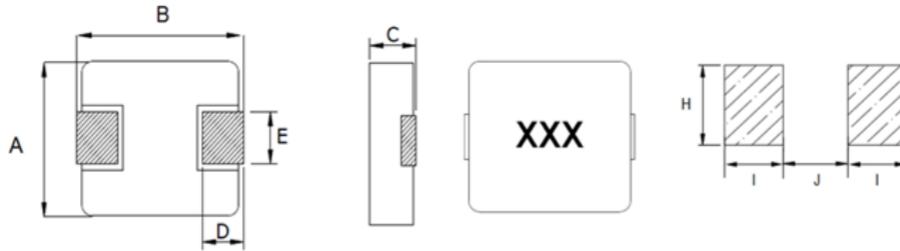
3	公称感量 Nominal Inductance [μH]
Example	Nominal Value [μH]
1R0	1.0μH
1R5	1.5μH

4	感量精度 Inductance Tolerance
M	±20%

5	包装 Packing
T	编带 Tape & Reel

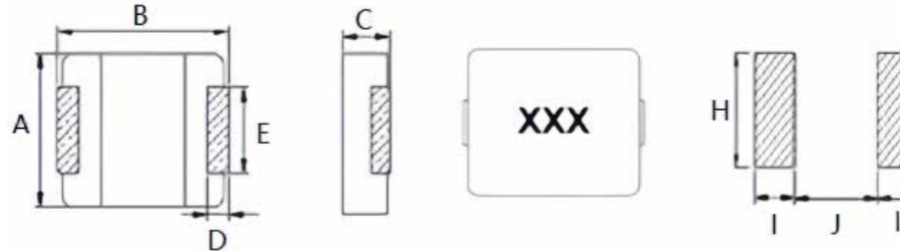
	设计代号 Design Code
□□□	Design Code
* Standard product is blank	

外观尺寸 Shape and Dimensions



Remark: MWLA0415S ~ MWLA1265S Series

Recommended Land Pattern



Remark: MWLA1707S Series

Recommended Land Pattern

Unit: mm

Series	A	B	C	D	E	I Typ.	J Typ.	H Typ.
MWLA0415S	4.2±0.25	4.4±0.35	1.3±0.2	0.8±0.3	2.0±0.3	1.5	2.2	2.5
MWLA0402S	4.2±0.25	4.4±0.35	1.8±0.2	0.8±0.3	2.0±0.3	1.5	2.2	2.5
MWLA0502S	5.2±0.2	5.7±0.3	1.8±0.2	1.2±0.2	2.0±0.3	1.9	2.2	2.5
MWLA0503S	5.2±0.2	5.7±0.3	2.8±0.2	1.2±0.2	2.0±0.3	1.9	2.2	2.5
MWLA0618S	6.6±0.3	7.3±0.3	1.6±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWLA0624S	6.6±0.3	7.3±0.3	2.2±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWLA0603S	6.6±0.3	7.3±0.3	2.8±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWLA0604S	6.6±0.3	7.3±0.3	3.8±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWLA0605S	6.6±0.3	7.05±0.35	4.8±0.2	1.6±0.3	3.0±0.5	2.35	3.7	3.5
MWLA0803S	8.2±0.3	8.6±0.3	2.8±0.2	1.5±0.3	5.0±0.2	2.4	4.8	5.3
MWLA0804S	8.2±0.3	8.6±0.3	3.8±0.2	1.5±0.3	5.0±0.2	2.4	4.8	5.3
MWLA0806S	8.2±0.3	8.7±0.35	6.0 Max.	2.1±0.2	3.0±0.3	3.73	2.95	3.5
MWLA1004S	10.0±0.3	11.0±0.5	3.8±0.2	2.0±0.5	3.0±0.5	4.1	5.4	4.1
MWLA1005S	10.0±0.3	11.0±0.5	4.8±0.2	2.0±0.5	3.0±0.5	4.1	5.4	4.1
MWLA1235S	12.6±0.3	13.5±0.5	3.3±0.2	2.0±0.5	See Remark1	3.1	8.0	5.0
MWLA1250S	12.6±0.3	13.5±0.5	4.7±0.3	2.0±0.5	See Remark3	3.1	8.0	5.0
MWLA1206S	12.6±0.3	13.5±0.5	5.7±0.3	2.0±0.5	See Remark4	3.1	8.0	5.0
MWLA1265S	12.6±0.3	13.5±0.5	6.2±0.3	2.0±0.5	See Remark2	3.1	8.0	5.0
MWLA1707S	17.0±0.3	17.5±0.5	7.0 Max.	2.5±0.5	12.0±0.3	3.5	11.2	12.8

Remark1

E	Inductance
3.85±0.5	≤ 0.82μH
4.7±0.5	> 0.82μH

Remark2

E	Inductance
3.85±0.5	≤ 1.5μH
4.7±0.5	> 1.5μH

Remark3

E	Inductance
3.85±0.5	≤ 1.5μH
4.7±0.5	> 1.5μH

外观尺寸

Shape and Dimensions

Remark4

E	Inductance
3.85±0.5	≤ 1.5μH
4.7±0.5	> 1.5μH

规格特性

Specifications

MVLA0415S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MVLA0415S-100MT	10±20%	400	1.7	1.9	1.0	1.5	50

MVLA0402S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MVLA0402S-R22MT	0.22±20%	7.3	21.0	24.0	8.5	13.0	50
MVLA0402S-R33MT	0.33±20%	8.6	16.0	18.0	6.5	10.0	50
MVLA0402S-R47MT	0.47±20%	14	10.5	12.0	5.0	8.0	50
MVLA0402S-R68MT	0.68±20%	19	9.0	10.0	4.0	7.0	50
MVLA0402S-1R0MT	1.0±20%	27	7.5	8.5	3.0	5.0	50
MVLA0402S-1R5MT	1.5±20%	42	6.0	7.0	2.8	4.5	50
MVLA0402S-2R2MT	2.2±20%	61	5.0	6.0	2.4	4.0	50
MVLA0402S-3R3MT	3.3±20%	76	3.5	4.0	2.0	3.5	50
MVLA0402S-4R7MT	4.7±20%	105	3.0	3.5	1.7	2.6	50
MVLA0402S-6R8MT	6.8±20%	172	2.5	2.8	1.5	2.1	50
MVLA0402S-100MT	10±20%	243	2.0	2.3	1.2	1.8	50
MVLA0402S-150MT	15±20%	374	1.7	1.9	1.0	1.5	50
MVLA0402S-220MT	22±20%	500	1.2	1.4	0.8	1.2	50

MVLA0502S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MVLA0502S-R10MT	0.10±20%	4	40.0	45.0	12.0	18.0	60
MVLA0502S-R15MT	0.15±20%	4.6	24.0	27.0	10.0	16.0	60
MVLA0502S-R22MT	0.22±20%	5.5	22.0	25.0	9.0	15.0	60
MVLA0502S-R33MT	0.33±20%	7.3	18.5	21.3	7.0	12.0	60
MVLA0502S-R47MT	0.47±20%	8.6	16.0	18.0	7.0	11.5	60
MVLA0502S-R56MT	0.56±20%	11	13.5	16.0	7.0	11.0	60
MVLA0502S-R68MT	0.68±20%	12.4	12.5	14.5	8.0	10.0	60
MVLA0502S-1R0MT	1.0±20%	20	12.0	13.7	5.0	7.0	60
MVLA0502S-1R5MT	1.5±20%	30.5	8.5	9.8	3.5	5.5	60
MVLA0502S-2R2MT	2.2±20%	50	8.0	9.0	3.0	4.2	60
MVLA0502S-3R3MT	3.3±20%	76	6.5	7.3	2.0	3.3	60
MVLA0502S-4R7MT	4.7±20%	116	4.5	5.0	1.8	2.8	60
MVLA0502S-6R8MT	6.8±20%	150	3.3	3.8	1.6	2.4	60
MVLA0502S-8R2MT	8.2±20%	171	3.0	3.5	1.5	2.3	60
MVLA0502S-100MT	10±20%	199	3.0	3.4	1.5	2.3	60
MVLA0502S-150MT	15±20%	270	2.5	2.8	1.1	1.9	60
MVLA0502S-220MT	22±20%	390	1.6	1.8	0.9	1.5	60

规格特性 Specifications

MWLA0503S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA0503S-R22MT	0.22±20%	4.4	18.5	21.0	11.5	15.5	60
MWLA0503S-R33MT	0.33±20%	5	16.0	18.0	9.0	14.0	60
MWLA0503S-R47MT	0.47±20%	7.4	14.0	16.0	7.0	12.0	60
MWLA0503S-R68MT	0.68±20%	12	12.0	14.0	5.5	8.5	60
MWLA0503S-R82MT	0.82±20%	13	11.0	12.5	4.5	8.0	60
MWLA0503S-1R0MT	1.0±20%	14	9.5	11.0	4.2	7.0	60
MWLA0503S-1R5MT	1.5±20%	25	8.8	10.0	3.8	6.0	60
MWLA0503S-2R2MT	2.2±20%	35	8.0	9.0	3.3	5.5	60
MWLA0503S-3R3MT	3.3±20%	38	7.0	8.0	3.1	5.0	60
MWLA0503S-4R7MT	4.7±20%	53	5.3	6.0	3.0	4.6	60
MWLA0503S-5R6MT	5.6±20%	63	4.0	4.5	2.9	4.25	60
MWLA0503S-6R8MT	6.8±20%	76.2	3.8	4.3	2.6	4.0	60
MWLA0503S-100MT	10±20%	128	3.1	3.5	1.7	2.75	60
MWLA0503S-100MTB01	10±20%	120	3.5	4.0	2.0	3.5	60
MWLA0503S-150MT	15±20%	190	2.3	2.6	1.4	2.1	60
MWLA0503S-220MT	22±20%	250	1.5	1.7	1.3	1.9	60

MWLA0618S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA0618S-R10MT	0.1±20%	2.3	33.0	38.0	19.0	25.0	60
MWLA0618S-R15MT	0.15±20%	2.6	30.0	34.0	14.0	18.0	60
MWLA0618S-R22MT	0.22±20%	3	23.0	26.0	13.0	16.0	60
MWLA0618S-R33MT	0.33±20%	5.8	19.5	22.0	10.0	14.0	60
MWLA0618S-R47MT	0.47±20%	7.4	16.0	18.0	9.5	12.0	60
MWLA0618S-R68MT	0.68±20%	11	15.0	17.0	6.5	10.0	60
MWLA0618S-R82MT	0.82±20%	14	13.5	15.5	5.5	8.5	60
MWLA0618S-1R0MT	1.0±20%	17	12.5	14.0	4.5	7.0	60
MWLA0618S-1R5MT	1.5±20%	25.2	11.5	13.0	3.8	6.0	60
MWLA0618S-2R2MT	2.2±20%	35	10.0	11.0	3.8	6.0	60
MWLA0618S-3R3MT	3.3±20%	46	8.0	9.0	3.2	5.0	60
MWLA0618S-4R7MT	4.7±20%	76	6.2	7.0	2.5	4.0	60
MWLA0618S-6R8MT	6.8±20%	104	4.8	5.5	2.1	3.0	60
MWLA0618S-100MT	10±20%	160	3.0	3.5	1.5	2.3	60

MWLA0624S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA0624S-R15MT	0.15±20%	2.3	39.0	45.0	18.5	30.0	80
MWLA0624S-R22MT	0.22±20%	3.2	30.0	34.0	14.0	21.0	80
MWLA0624S-R33MT	0.33±20%	4.4	27.0	30.0	12.0	18.0	80
MWLA0624S-R47MT	0.47±20%	5.1	23.0	26.0	10.0	15.0	80
MWLA0624S-R68MT	0.68±20%	7.2	18.5	21.0	9.0	13.0	80
MWLA0624S-R82MT	0.82±20%	9.5	15.5	17.0	7.0	11.0	80
MWLA0624S-1R0MT	1.0±20%	13.5	14.0	16.0	6.5	10.0	80
MWLA0624S-1R5MT	1.5±20%	20	13.0	15.0	6.0	9.0	80
MWLA0624S-2R2MT	2.2±20%	28	12.0	14.0	4.5	7.0	80
MWLA0624S-3R3MT	3.3±20%	39	9.0	10.0	4.0	6.0	80
MWLA0624S-4R7MT	4.7±20%	50	8.0	9.0	3.5	5.5	80
MWLA0624S-6R8MT	6.8±20%	72	6.0	7.0	2.5	4.0	80
MWLA0624S-100MT	10±20%	101	4.5	5.0	1.9	3.2	80

规格特性
Specifications

MWLA0603S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA0603S-R10NT	0.10±30%	1.7	53.0	60.0	23.0	32.5	100
MWLA0603S-R15MT	0.15±20%	1.9	40.0	45.0	24.0	27.0	100
MWLA0603S-R15MTB01	0.15±20%	0.9±7%	41.0	45.0	34.0	37.0	100
MWLA0603S-R20MT	0.20±20%	2.7	36.0	41.0	15.0	24.0	100
MWLA0603S-R22MT	0.22±20%	2.8	35.0	40.0	14.5	23.0	100
MWLA0603S-R33MT	0.33±20%	3.9	28.0	32.0	12.5	20.0	100
MWLA0603S-R47MT	0.47±20%	4.2	23.0	26.0	12.0	17.5	100
MWLA0603S-R56MT	0.56±20%	5	23.0	25.5	11.0	16.5	100
MWLA0603S-R68MT	0.68±20%	5.5	22.0	25.0	13.5	15.5	100
MWLA0603S-R82MT	0.82±20%	8	21.0	24.0	9.0	13.0	100
MWLA0603S-1R0MT	1.0±20%	10	19.4	22.0	9.7	11.0	100
MWLA0603S-1R2MT	1.2±20%	12	17.5	20.0	6.0	10.0	100
MWLA0603S-1R5MT	1.5±20%	15	16.0	18.0	5.8	9.0	100
MWLA0603S-2R0MT	2.0±20%	19	13.5	15.0	5.5	8.2	100
MWLA0603S-2R2MT	2.2±20%	20	12.5	14.0	5.2	8.0	100
MWLA0603S-3R3MT	3.3±20%	30	12.0	13.5	3.5	6.0	100
MWLA0603S-4R7MT	4.7±20%	40	8.8	10.0	3.2	5.5	100
MWLA0603S-5R6MT	5.6±20%	48	8.0	9.0	3.0	5.0	100
MWLA0603S-6R8MT	6.8±20%	60	7.0	8.0	2.8	4.5	100
MWLA0603S-8R2MT	8.2±20%	68	6.5	7.5	2.5	4.0	100
MWLA0603S-100MT	10±20%	85	5.5	6.0	2.4	3.5	100
MWLA0603S-150MT	15±20%	123	3.5	4.0	2.6	3.0	100
MWLA0603S-220MT	22±20%	190	3.0	3.5	1.2	2.0	100
MWLA0603S-330MT	33±20%	240	2.2	2.5	1.2	2.0	100
MWLA0603S-470MT	47±20%	363	1.8	2.0	1.1	1.75	100

MWLA0604S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA0604S-R22MT	0.22±20%	0.98±5%	44.5	50.0	28.5	32.0	100
MWLA0604S-R47MT	0.47±20%	3.4	25.0	28.0	16.0	23.0	100
MWLA0604S-R56MT	0.56±20%	4.3	23.0	26.0	13.5	20.0	100

MWLA0605S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA0605S-R22MT	0.22±20%	1.4	/	50.0	/	30.0	100
MWLA0605S-R33MT	0.33±20%	3	/	32.0	/	25.0	100
MWLA0605S-R36MT	0.36±20%	3.4	/	32.0	/	24.0	100
MWLA0605S-R47MT	0.47±20%	3.9	/	30.0	/	22.0	100
MWLA0605S-R68MT	0.68±20%	4.5	/	24.0	/	18.0	100
MWLA0605S-R82MT	0.82±20%	4.9	/	22.0	/	16.5	100
MWLA0605S-1R0MT	1.0±20%	6.5	/	20.0	/	15.0	100
MWLA0605S-1R2MT	1.2±20%	7.5	/	18.0	/	14.0	100
MWLA0605S-1R5MT	1.5±20%	9	/	16.5	/	12.0	100
MWLA0605S-2R2MT	2.2±20%	12	/	14.0	/	10.0	100
MWLA0605S-3R3MT	3.3±20%	20.9	/	12.0	/	8.0	100
MWLA0605S-4R7MT	4.7±20%	30.8	/	10.0	/	6.5	100

规格特性 Specifications

MVLA0605S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MVLA0605S-5R6MT	5.6±20%	49	/	9.0	/	6.0	100
MVLA0605S-6R8MT	6.8±20%	51.5	/	8.5	/	5.5	100
MVLA0605S-8R2MT	8.2±20%	63	/	8.0	/	5.0	100
MVLA0605S-100MT	10±20%	69	/	7.5	/	4.0	100
MVLA0605S-150MT	15±20%	92	/	6.0	/	3.5	100
MVLA0605S-220MT	22±20%	170	/	5.5	/	2.5	100
MVLA0605S-330MT	33±20%	200	/	3.5	/	2.0	100

MVLA0803S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MVLA0803S-R22MT	0.22±20%	1.71	/	43.0	/	32.0	100
MVLA0803S-R33MT	0.33±20%	2.57	/	35.0	/	25.0	100
MVLA0803S-R47MT	0.47±20%	3.33	/	32.0	/	21.5	100
MVLA0803S-1R0MT	1.0±20%	8.35	/	29.0	/	13.7	100
MVLA0803S-1R5MT	1.5±20%	13.3	/	24.0	/	11.0	100
MVLA0803S-2R2MT	2.2±20%	20.3	/	21.0	/	9.0	100
MVLA0803S-3R3MT	3.3±20%	27.4	/	12.0	/	7.2	100
MVLA0803S-4R7MT	4.7±20%	34.2	/	10.5	/	6.6	100
MVLA0803S-5R6MT	5.6±20%	37.2	/	10.0	/	6.3	100
MVLA0803S-6R8MT	6.8±20%	49.3	/	9.5	/	5.3	100
MVLA0803S-8R2MT	8.2±20%	59.3	/	9.5	/	4.8	100
MVLA0803S-100MT	10±20%	71.2	/	8.2	/	4.7	100

MVLA0804S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MVLA0804S-R22MT	0.22±20%	1.68	/	45.0	/	30.7	100
MVLA0804S-R33MT	0.33±20%	2.14	/	36.0	/	29.5	100
MVLA0804S-R47MT	0.47±20%	2.62	/	31.5	/	25.0	100
MVLA0804S-R68MT	0.68±20%	3.67	/	24.5	/	21.0	100
MVLA0804S-R82MT	0.82±20%	4.42	/	24.2	/	19.0	100
MVLA0804S-1R0MT	1.0±20%	5.78	/	24.0	/	18.0	100
MVLA0804S-2R2MT	2.2±20%	13.7	/	23.0	/	10.5	100
MVLA0804S-3R3MT	3.3±20%	17.7	/	20.0	/	9.2	100
MVLA0804S-4R7MT	4.7±20%	32	/	16.7	/	7.25	100
MVLA0804S-5R6MT	5.6±20%	35.5	/	15.0	/	6.8	100
MVLA0804S-6R8MT	6.8±20%	47.7	/	15.2	/	5.7	100
MVLA0804S-8R2MT	8.2±20%	50.8	/	10.0	/	5.5	100
MVLA0804S-100MT	10±20%	59.9	/	9.0	/	5.2	100

规格特性
Specifications

MWLA0806S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA0806S-2R2MT	2.2±20%	7	15.5	16.5	14.0	15.0	80
MWLA0806S-3R3MT	3.3±20%	7.5	14.0	15.0	13.5	14.5	80
MWLA0806S-4R7MT	4.7±20%	8.5	10.0	11.5	9.5	10.0	80
MWLA0806S-6R8MT	6.8±20%	11.5	11.0	12.0	8.5	9.0	80
MWLA0806S-100MT	10±20%	13	10.0	11.0	7.5	8.0	80

MWLA1004S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1004S-R12MT	0.12±20%	0.4±7%	62.0	70.0	18.0	28.0	100
MWLA1004S-R19MT	0.19±20%	0.95	80.0	90.0	26.0	40.0	100
MWLA1004S-R22MT	0.22±20%	1	53.0	60.0	24.0	35.0	100
MWLA1004S-R36MT	0.36±20%	1.2	53.0	60.0	21.0	31.0	100
MWLA1004S-R45MT	0.45±20%	1.5	40.0	45.0	18.0	29.0	100
MWLA1004S-R47MT	0.47±20%	1.5	38.0	43.0	18.0	28.0	100
MWLA1004S-R56MT	0.56±20%	1.8	35.0	40.0	17.0	25.0	100
MWLA1004S-R68MT	0.68±20%	2.7	34.0	39.0	14.0	22.0	100
MWLA1004S-R75MT	0.75±20%	2.7	32.0	39.0	19.0	22.0	100
MWLA1004S-1R0MT	1.0±20%	3.3	32.0	36.0	11.0	18.0	100
MWLA1004S-1R2MT	1.2±20%	4	29.0	33.0	10.5	17.0	100
MWLA1004S-1R5MT	1.5±20%	4.6	29.0	33.0	10.0	16.0	100
MWLA1004S-2R2MT	2.2±20%	7	24.0	27.0	7.5	12.0	100
MWLA1004S-3R3MT	3.3±20%	11.8	18.0	20.0	7.0	11.0	100
MWLA1004S-4R7MT	4.7±20%	15.5	15.0	17.0	6.5	10.0	100
MWLA1004S-5R6MT	5.6±20%	19.3	13.0	14.0	5.7	9.0	100
MWLA1004S-6R8MT	6.8±20%	23.3	12.0	13.5	5.5	8.5	100
MWLA1004S-100MT	10±20%	30	11.0	12.0	4.5	7.5	100
MWLA1004S-150MT	15±20%	45	9.0	10.0	4.5	6.25	100
MWLA1004S-220MT	22±20%	74	6.0	7.0	3.0	5.0	100
MWLA1004S-330MT	33±20%	112	4.5	5.0	2.0	3.5	100
MWLA1004S-470MT	47±20%	167	4.0	4.5	1.5	3.0	100

MWLA1005S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1005S-220MT	22±20%	60	9.0	10.0	3.2	5.0	100
MWLA1005S-330MT	33±20%	92	6.5	7.5	2.8	4.3	100

MWLA1235S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1235S-R33MT	0.33±20%	1.5	55.0	62.0	23.0	36.5	100
MWLA1235S-R47MT	0.47±20%	2	49.0	55.0	21.0	32.0	100
MWLA1235S-R68MT	0.68±20%	2.5	44.0	49.0	17.0	28.0	100
MWLA1235S-R82MT	0.82±20%	3	39.0	44.0	16.0	25.0	100
MWLA1235S-1R0MT	1.0±20%	3.5	35.0	40.0	15.0	24.0	100

规格特性 Specifications

MWLA1235S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1235S-1R5MT	1.5±20%	5.5	32.0	35.0	11.0	19.0	100
MWLA1235S-2R2MT	2.2±20%	8	26.0	29.0	10.0	16.0	100
MWLA1235S-3R3MT	3.3±20%	12	24.0	27.0	7.5	12.0	100
MWLA1235S-4R7MT	4.7±20%	18	20.0	22.0	5.5	9.0	100
MWLA1235S-5R6MT	5.6±20%	22	17.0	19.0	5.5	9.5	100
MWLA1235S-6R8MT	6.8±20%	24	16.0	18.0	5.0	9.0	100
MWLA1235S-8R2MT	8.2±20%	28	14.0	16.0	5.0	8.5	100
MWLA1235S-100MT	10±20%	34	12.0	14.0	4.5	7.5	100
MWLA1235S-150MT	15±20%	65	9.0	10.0	4.2	6.5	100
MWLA1235S-220MT	22±20%	99	6.0	7.0	3.0	4.5	100
MWLA1235S-330MT	33±20%	160	5.0	6.0	2.0	3.5	100
MWLA1235S-470MT	47±20%	218	5.0	5.5	1.8	3.0	100

MWLA1250S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1250S-R33MT	0.33±20%	0.9	71.0	80.0	30.0	42.0	100
MWLA1250S-R47MT	0.47±20%	1.1	58.0	65.0	27.0	38.0	100
MWLA1250S-R56MT	0.56±20%	1.5	49.0	55.0	25.0	36.0	100
MWLA1250S-R68MT	0.68±20%	1.7	48.0	54.0	22.0	34.0	100
MWLA1250S-R82MT	0.82±20%	2.1	46.0	52.0	20.0	31.0	100
MWLA1250S-1R0MT	1.0±20%	2.5	44.0	50.0	19.0	29.0	100
MWLA1250S-1R5MT	1.5±20%	3.3	42.0	48.0	17.0	27.0	100
MWLA1250S-2R2MT	2.2±20%	5.5	32.0	32.0	12.0	20.0	100
MWLA1250S-3R3MT	3.3±20%	9.2	28.0	32.0	9.0	15.0	100
MWLA1250S-4R7MT	4.7±20%	15	24.0	27.0	7.5	12.0	100
MWLA1250S-5R6MT	5.6±20%	16.5	20.0	22.0	7.0	11.5	100
MWLA1250S-6R8MT	6.8±20%	18.5	19.0	21.0	7.0	11.0	100
MWLA1250S-8R2MT	8.2±20%	22.5	16.0	18.0	6.5	9.5	100
MWLA1250S-100MT	10±20%	25.5	14.0	16.0	6.0	9.0	100
MWLA1250S-150MT	15±20%	38	12.0	13.0	5.0	8.2	100
MWLA1250S-220MT	22±20%	58	9.0	10.0	4.0	6.5	100
MWLA1250S-330MT	33±20%	88	7.0	8.0	3.0	5.0	100

MWLA1206S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1206S-R47MT	0.47±20%	1.3	58.0	64.0	24.0	38.0	100
MWLA1206S-R68MT	0.68±20%	1.7	51.0	57.0	21.0	33.0	100
MWLA1206S-1R0MT	1.0±20%	2.4	47.0	53.0	19.0	29.0	100
MWLA1206S-1R5MT	1.5±20%	3.2	44.0	50.0	18.0	26.0	100
MWLA1206S-2R2MT	2.2±20%	4.7	38.0	43.0	14.0	21.0	100
MWLA1206S-3R3MT	3.3±20%	7.1	31.0	35.0	11.0	17.0	100
MWLA1206S-4R7MT	4.7±20%	11.5	27.0	30.0	10.0	16.0	100
MWLA1206S-6R8MT	6.8±20%	13.8	22.0	25.0	9.5	15.0	100
MWLA1206S-8R2MT	8.2±20%	16	20.0	23.0	7.0	11.0	100
MWLA1206S-100MT	10±20%	20.7	19.0	21.0	7.0	11.0	100
MWLA1206S-150MT	15±20%	29	14.0	16.0	5.5	9.0	100

规格特性
Specifications

MWLA1206S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1206S-220MT	22±20%	39.5	12.0	14.0	5.0	8.0	100
MWLA1206S-330MT	33±20%	75	11.0	12.0	3.8	6.0	100
MWLA1206S-470MT	47±20%	90	10.0	11.0	3.5	5.5	100
MWLA1206S-680MT	68±20%	140	8.0	9.0	3.3	5.0	100
MWLA1206S-820MT	82±20%	161	7.5	8.5	3.0	4.5	100
MWLA1206S-101MT	100±20%	200	7.0	8.0	2.7	4.0	100
MWLA1206S-121MT	120±20%	235	6.0	7.0	2.2	3.5	100
MWLA1206S-151MT	150±20%	350	5.5	6.0	1.7	3.0	100

MWLA1265S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1265S-R33MT	0.33±20%	0.8	60.0	68.0	30.0	46.0	100
MWLA1265S-R47MT	0.47±20%	1.2	56.0	63.0	29.0	41.0	100
MWLA1265S-R56MT	0.56±20%	1.4	51.0	58.0	18.0	31.0	100
MWLA1265S-R68MT	0.68±20%	1.5	49.0	55.0	22.0	35.0	100
MWLA1265S-R68MTB01	0.68±20%	1.5	49.0	60.0	22.0	35.0	100
MWLA1265S-1R0MT	1.0±20%	2.3	43.0	48.0	20.0	30.0	100
MWLA1265S-1R5MT	1.5±20%	3	40.0	45.0	17.0	27.0	100
MWLA1265S-2R2MT	2.2±20%	4.2	32.0	37.0	19.0	22.0	100
MWLA1265S-2R7MT	2.7±20%	5.5	29.0	32.0	12.0	20.0	100
MWLA1265S-3R3MT	3.3±20%	6.8	27.0	30.0	11.0	18.0	100
MWLA1265S-4R7MT	4.7±20%	8.4	25.0	28.0	8.0	13.5	100
MWLA1265S-6R8MT	6.8±20%	11.5	16.0	18.0	7.0	11.5	100
MWLA1265S-8R2MT	8.2±20%	15.5	14.0	16.0	6.5	10.5	100
MWLA1265S-100MT	10±20%	16.5	13.5	15.5	6.2	10.0	100
MWLA1265S-150MT	15±20%	28	12.0	13.0	6.0	9.0	100
MWLA1265S-150MTB01	15±20%	28	16.0	18.0	6.0	9.0	100
MWLA1265S-220MT	22±20%	37	11.0	12.0	6.0	9.0	100
MWLA1265S-330MT	33±20%	58	10.0	11.0	5.0	8.0	100
MWLA1265S-470MT	47±20%	90	8.5	9.5	4.0	6.5	100
MWLA1265S-680MT	68±20%	130	7.0	7.8	3.0	4.8	100
MWLA1265S-101MT	100 (-15%+20%)	165	5.0	5.5	2.5	4.2	100

MWLA1707S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1707S-1R0MT	1.0±20%	2	53.0	60.0	33.0	52.0	100
MWLA1707S-1R5MT	1.5±20%	2.5	46.0	52.0	32.0	47.0	100
MWLA1707S-1R5MTY01	1.5±20%	1.5	46.0	52.0	32.0	47.0	100
MWLA1707S-2R2MT	2.2±20%	2.7	42.0	47.0	31.0	43.5	100
MWLA1707S-3R3MT	3.3±20%	3.9	40.0	45.0	17.0	28.0	100
MWLA1707S-4R7MT	4.7±20%	5.5	36.0	41.0	16.0	25.0	100
MWLA1707S-5R6MT	5.6±20%	7.05	40.0	45.0	13.0	21.0	100
MWLA1707S-6R8MT	6.8±20%	9.2	28.0	32.0	12.0	19.0	100
MWLA1707S-8R2MT	8.2±20%	10.8	22.0	25.0	11.5	18.0	100
MWLA1707S-100MT	10±20%	13	21.0	24.0	11.2	16.5	100
MWLA1707S-150MT	15±20%	20.5	20.0	23.0	11.0	12.5	100
MWLA1707S-220MT	22±20%	26.5	16.0	18.0	7.0	12.0	100

规格特性 Specifications

MWLA1707S Series

型号 Part Number	电感量 Inductance	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current		耐受电压 @1mA/3S Withstanding Voltage @1mA/3S
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ	A		A		V
符号 Symbol	L	DCR	Isat		Irms		/
MWLA1707S-330MT	33±20%	44	13.0	15.0	6.5	10.7	100
MWLA1707S-390MT	39±20%	48	10.0	11.0	6.0	9.2	100
MWLA1707S-470MT	47±20%	55	8.5	9.5	7.7	8.7	100
MWLA1707S-560MT	56±20%	62	8.0	9.0	5.0	7.8	100
MWLA1707S-680MT	68±20%	80	7.0	8.0	4.5	7.0	100
MWLA1707S-820MT	82±20%	100	6.0	7.0	3.5	5.7	100
MWLA1707S-101MT	100±20%	118	5.2	6.5	4.24	5.3	100

※1: 所有的测试数据均以 25°C 环境温度为基础;

※1: All test data is referenced to 25°C ambient;

※2: 饱和电流 (典型值): 通直流电使得没有通电时的感量下降 30% 左右的电流;

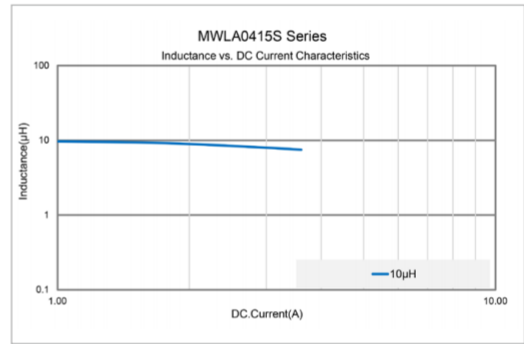
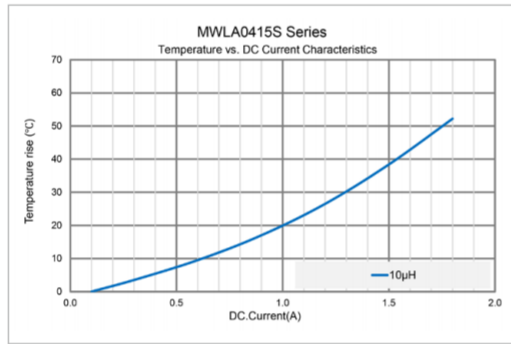
※2: Isat(Typ): DC current at which the inductance drops approximate 30% from its value without current;

※3: 温升电流 (典型值): 使得温度从 20°C 环境温度升高 (ΔT=40°C) 的直流电流;

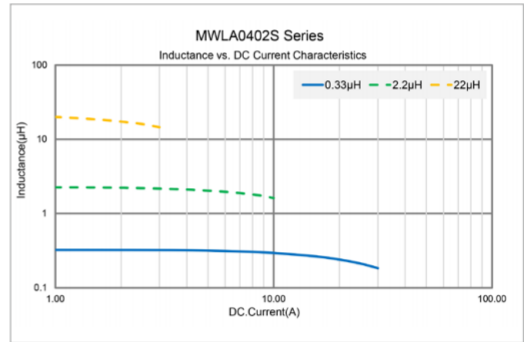
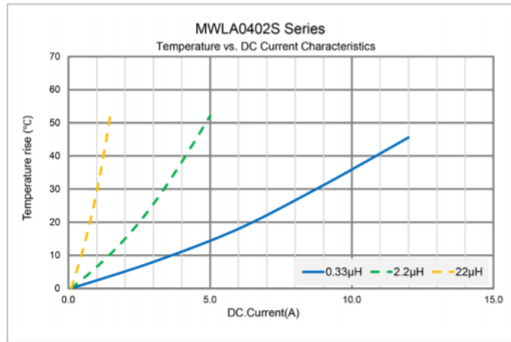
※3: Irms(Typ): DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient;

电气特性 Typical Electrical Characteristics

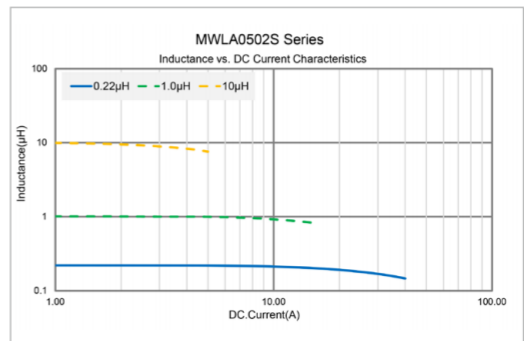
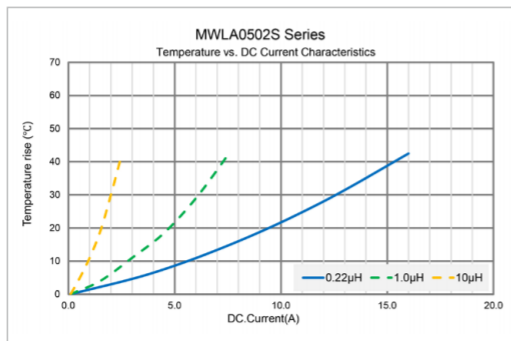
MWLA0415S Series



MWLA0402S Series



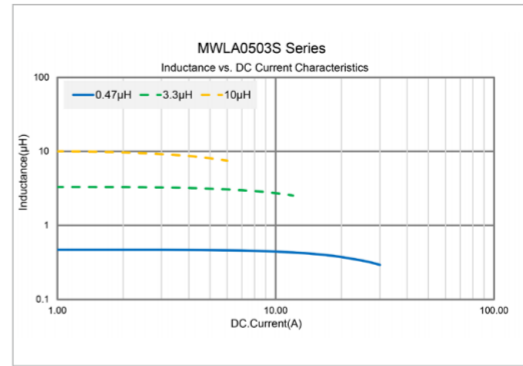
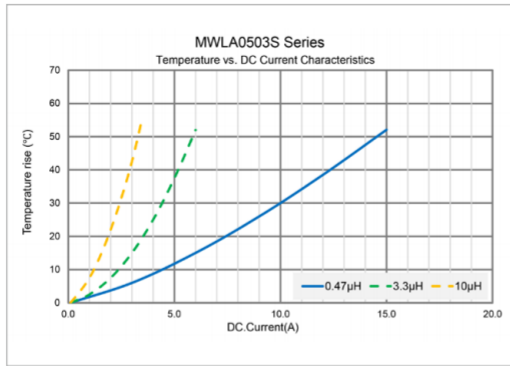
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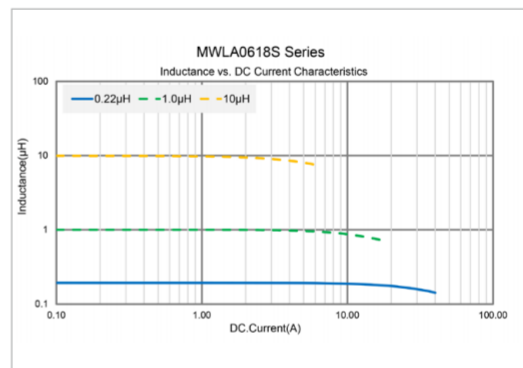
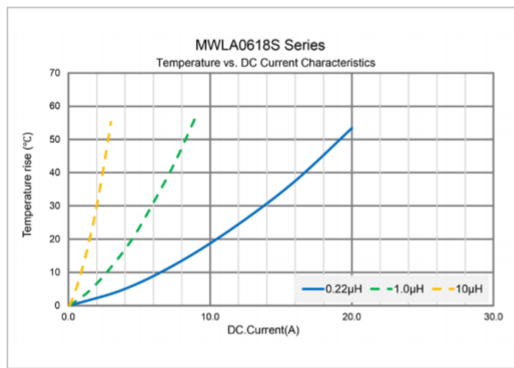
电气特性

Typical Electrical Characteristics

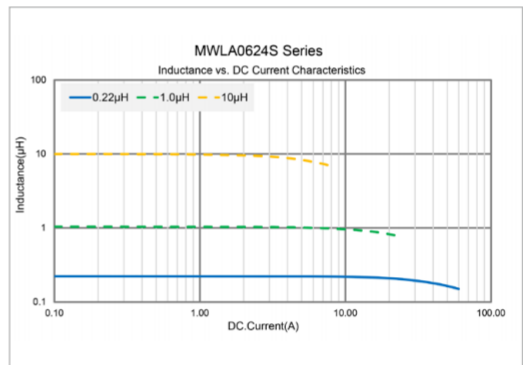
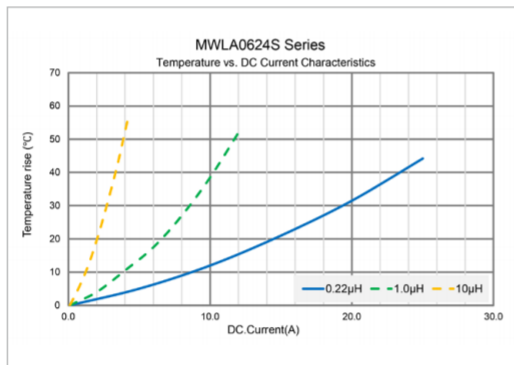
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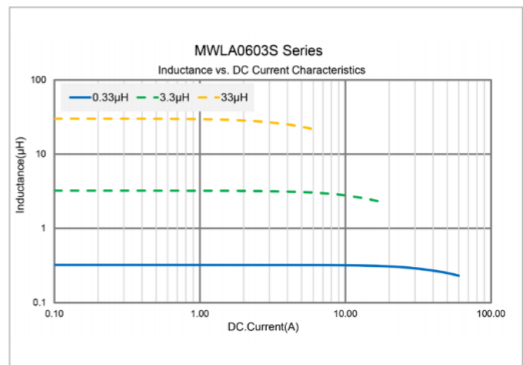
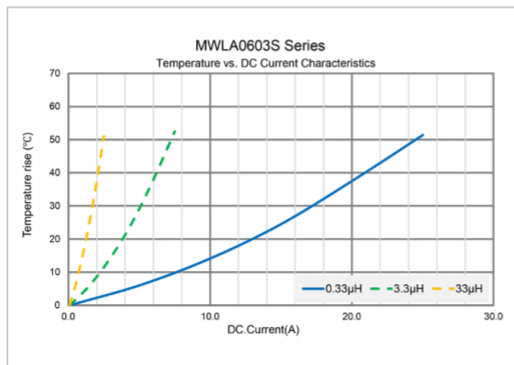
MWLA0618S Series



MWLA0624S Series



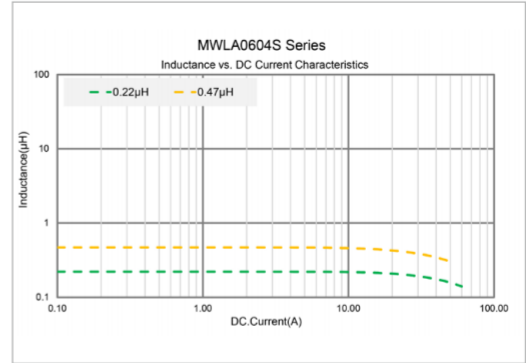
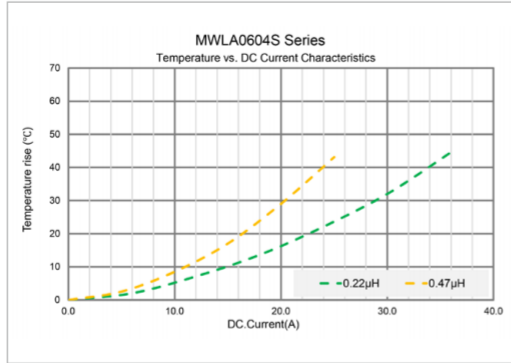
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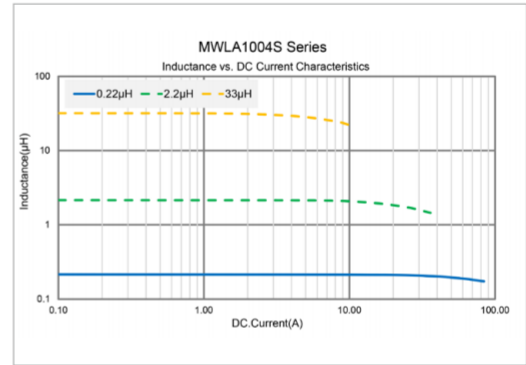
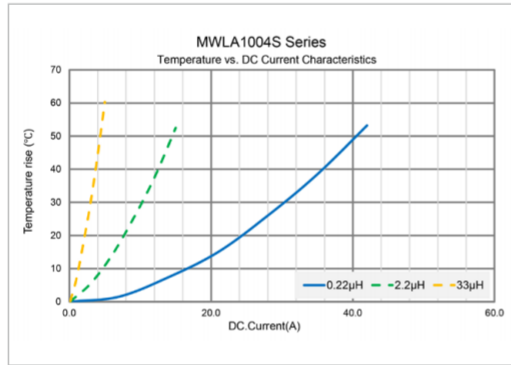
电气特性

Typical Electrical Characteristics

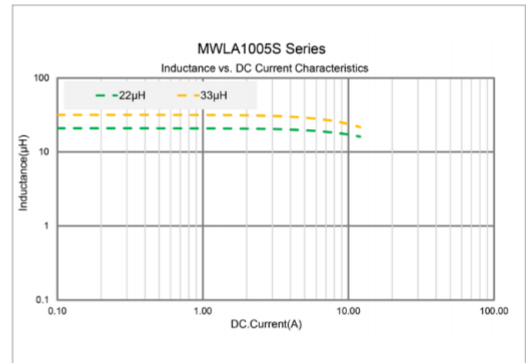
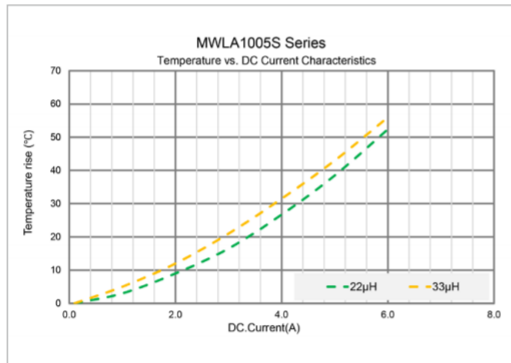
MWLA0604S Series



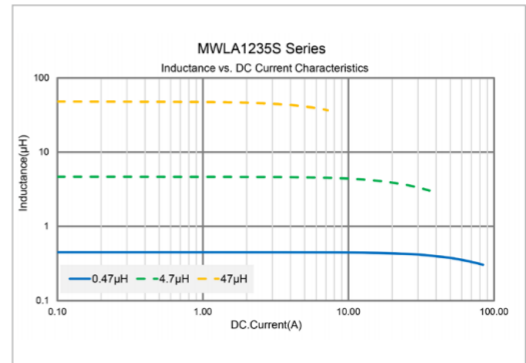
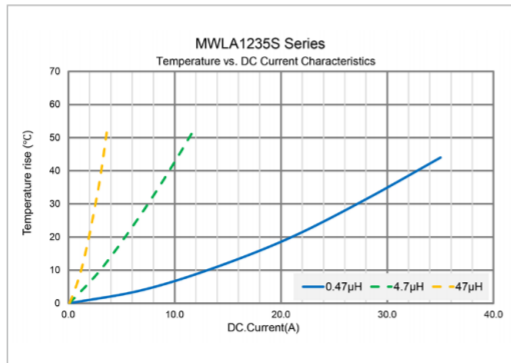
MWLA1004S Series



MWLA1005S Series



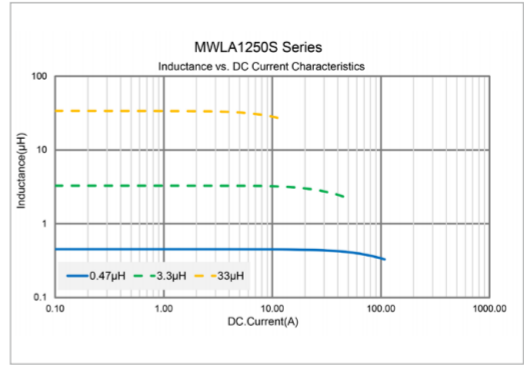
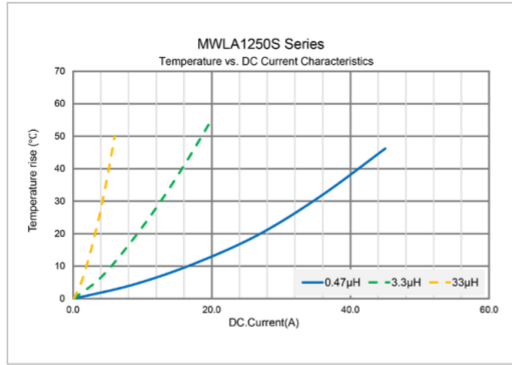
MWLA1235S Series



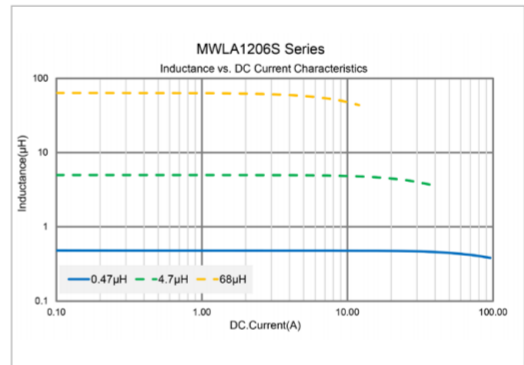
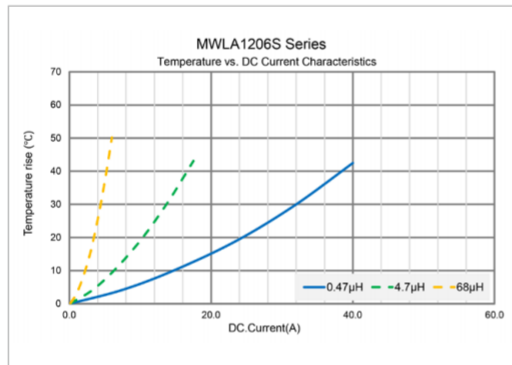
电气特性

Typical Electrical Characteristics

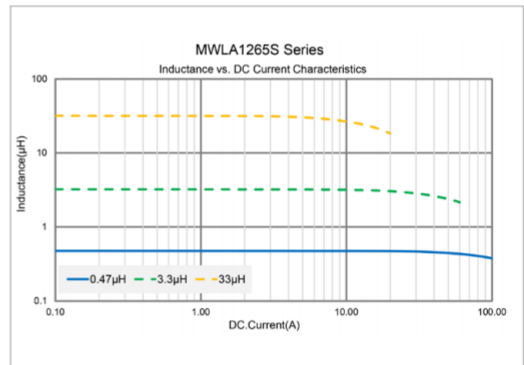
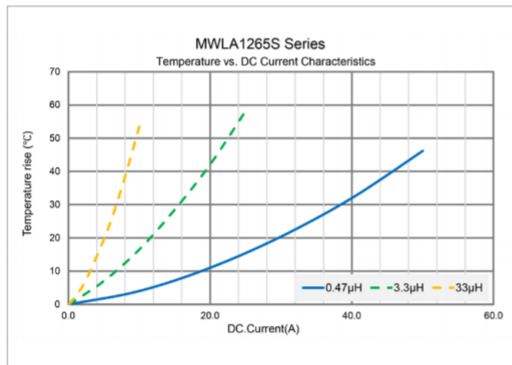
MWLA1250S Series



MWLA1206S Series



MWLA1265S Series



MWLA1707S Series

