

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	4.2×4.4×1.3
0402	4.2×4.4×1.8
0502	5.2×5.7×1.8
0503	5.2×5.7×2.8
0618	6.6×7.3×1.6
0624	6.6×7.3×2.2
0603	6.6×7.3×2.8
0604	6.6×7.3×3.8
1004	10.0×11.0×3.8
1005	10.0×11.0×4.8
1235	12.6×13.5×3.3
1250	12.6×13.5×4.7
1206	12.6×13.5×5.7
1265	12.6×13.5×6.2
1707	17.0×17.5×7.0

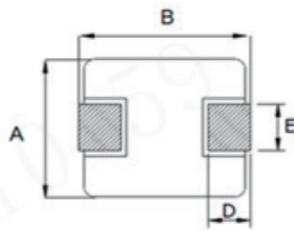
3	公称感量 Nominal Inductance [μH]
Example	Nominal Value [μH]
1R0	1.0μH
1R5	1.5μH

4	感量精度 Inductance Tolerance
M	±20%

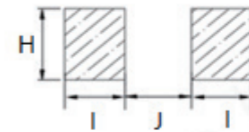
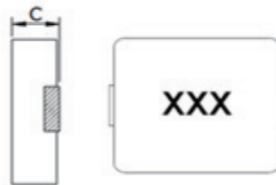
5	包装 Packing
T	编带 Tape & Reel

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

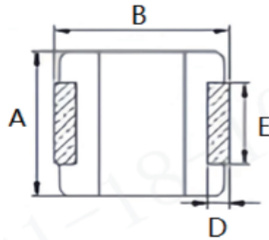
外观尺寸 Shape and Dimensions



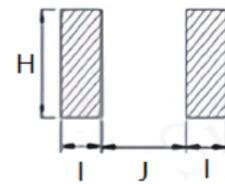
Remark: MWLA0415S ~ MWLA1265S Series



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
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	R33/R47/R68/R82
4.7±0.5	1R0/1R5/2R2/3R3/4R7/5R6/6R8/8R2/100/150/220/330/470

Remark2

E	Inductance
3.85±0.5	R33/R47/R56/R68/1R0/1R5
4.7±0.5	2R2/2R7/3R3/4R7/6R8/8R2/100/150/220/330/470/680

Remark3

E	Inductance
3.85±0.5	R33/R47/R56/R68/R82/1R0/1R5
4.7±0.5	2R2/3R3/4R7/5R6/6R8/8R2/100/150/220/330

外观尺寸

Shape and Dimensions

Remark4

E	Inductance
3.85±0.5	R47/R68/1R0/1R5
4.7±0.5	2R2/3R3/4R7/6R8/8R2/100/150/220/330/470/680/820/101/121/151

规格特性

Specifications

MWLA0415S 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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA0415S-100MT	10±20%	400	1.70	1.90	1.00	1.50

MWLA0402S 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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA0402S-R22MT	0.22±20%	7.3	21.00	24.00	8.50	13.00
MWLA0402S-R33MT	0.33±20%	8.6	16.00	18.00	6.50	10.00
MWLA0402S-R47MT	0.47±20%	14	10.50	12.00	5.00	8.00
MWLA0402S-R68MT	0.68±20%	19	9.00	10.00	4.00	7.00
MWLA0402S-1R0MT	1.0±20%	27	7.50	8.50	3.00	5.00
MWLA0402S-1R5MT	1.5±20%	42	6.00	7.00	2.80	4.50
MWLA0402S-2R2MT	2.2±20%	61	5.00	6.00	2.40	4.00
MWLA0402S-3R3MT	3.3±20%	76	3.50	4.00	2.00	3.50
MWLA0402S-4R7MT	4.7±20%	105	3.00	3.50	1.70	2.60
MWLA0402S-6R8MT	6.8±20%	172	2.50	2.80	1.50	2.10
MWLA0402S-100MT	10±20%	243	2.00	2.30	1.20	1.80
MWLA0402S-150MT	15±20%	374	1.70	1.90	1.00	1.50
MWLA0402S-220MT	22±20%	500	1.20	1.40	0.80	1.20

MWLA0502S 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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA0502S-R10MT	0.10±20%	4	40.00	45.00	12.00	18.00
MWLA0502S-R15MT	0.15±20%	4.6	24.00	27.00	10.00	16.00
MWLA0502S-R22MT	0.22±20%	5.5	22.00	25.00	9.00	15.00
MWLA0502S-R33MT	0.33±20%	7.3	18.50	21.30	7.00	12.00
MWLA0502S-R47MT	0.47±20%	8.6	16.00	18.00	7.00	11.50
MWLA0502S-R56MT	0.56±20%	11	13.50	16.00	7.00	11.00
MWLA0502S-R68MT	0.68±20%	12.4	11.50	12.80	6.00	10.00
MWLA0502S-1R0MT	1.0±20%	20	12.00	13.70	5.00	7.00
MWLA0502S-1R5MT	1.5±20%	30.5	8.50	9.80	3.50	5.50
MWLA0502S-2R2MT	2.2±20%	50	8.00	9.00	3.00	4.20
MWLA0502S-3R3MT	3.3±20%	76	6.50	7.30	2.00	3.30
MWLA0502S-4R7MT	4.7±20%	116	4.50	5.00	1.80	2.80
MWLA0502S-6R8MT	6.8±20%	150	3.30	3.80	1.60	2.40
MWLA0502S-8R2MT	8.2±20%	171	3.00	3.50	1.50	2.30
MWLA0502S-100MT	10±20%	199	3.00	3.40	1.50	2.30
MWLA0502S-150MT	15±20%	270	2.50	2.80	1.10	1.90
MWLA0502S-220MT	22±20%	390	1.60	1.80	0.90	1.50

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	
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA0503S-R22MT	0.22±20%	4.4	18.50	21.00	11.50	15.50
MWLA0503S-R33MT	0.33±20%	5	16.00	18.00	9.00	14.00
MWLA0503S-R47MT	0.47±20%	7.4	14.00	16.00	7.00	12.00
MWLA0503S-R68MT	0.68±20%	12	12.00	14.00	5.50	8.50
MWLA0503S-R82MT	0.82±20%	13	11.00	12.50	4.50	8.00
MWLA0503S-1R0MT	1.0±20%	14	9.50	11.00	4.20	7.00
MWLA0503S-1R5MT	1.5±20%	25	8.80	10.00	3.80	6.00
MWLA0503S-2R2MT	2.2±20%	35	8.00	9.00	3.30	5.50
MWLA0503S-3R3MT	3.3±20%	38	7.00	8.00	3.10	5.00
MWLA0503S-4R7MT	4.7±20%	53	5.30	6.00	3.00	4.60
MWLA0503S-5R6MT	5.6±20%	63	4.00	4.50	2.90	4.25
MWLA0503S-6R8MT	6.8±20%	76.2	3.80	4.30	2.60	4.00
MWLA0503S-100MT	10±20%	128	3.10	3.50	1.70	2.75
MWLA0503S-100MTB01	10±20%	120	3.50	4.00	2.00	3.50
MWLA0503S-150MT	15±20%	190	2.30	2.60	1.40	2.10
MWLA0503S-220MT	22±20%	250	1.50	1.70	1.30	1.90

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	
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA0618S-R15MT	0.15±20%	2.6	30.00	34.00	14.00	18.00
MWLA0618S-R22MT	0.22±20%	3	23.00	26.00	13.00	16.00
MWLA0618S-R33MT	0.33±20%	5.8	19.50	22.00	10.00	14.00
MWLA0618S-R47MT	0.47±20%	7.4	16.00	18.00	9.50	12.00
MWLA0618S-R68MT	0.68±20%	11	15.00	17.00	6.50	10.00
MWLA0618S-R82MT	0.82±20%	14	13.50	15.50	5.50	8.50
MWLA0618S-1R0MT	1.0±20%	17	12.50	14.00	4.50	7.00
MWLA0618S-1R5MT	1.5±20%	25.2	11.50	13.00	3.80	6.00
MWLA0618S-2R2MT	2.2±20%	35	10.00	11.00	3.80	6.00
MWLA0618S-3R3MT	3.3±20%	46	8.00	9.00	3.20	5.00
MWLA0618S-4R7MT	4.7±20%	76	6.20	7.00	2.50	4.00
MWLA0618S-6R8MT	6.8±20%	104	4.80	5.50	2.10	3.00
MWLA0618S-100MT	10±20%	160	3.00	3.50	1.50	2.30

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	
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA0624S-R15MT	0.15±20%	2.3	39.00	45.00	18.50	30.00
MWLA0624S-R22MT	0.22±20%	3.2	30.00	34.00	14.00	21.00
MWLA0624S-R33MT	0.33±20%	4.4	27.00	30.00	12.00	18.00
MWLA0624S-R47MT	0.47±20%	5.1	23.00	26.00	10.00	15.00
MWLA0624S-R68MT	0.68±20%	7.2	18.50	21.00	9.00	13.00
MWLA0624S-R82MT	0.82±20%	9.5	15.50	17.00	7.00	11.00
MWLA0624S-1R0MT	1.0±20%	13.5	14.00	16.00	6.50	10.00
MWLA0624S-1R5MT	1.5±20%	20	13.00	15.00	6.00	9.00
MWLA0624S-2R2MT	2.2±20%	28	12.00	14.00	4.50	7.00
MWLA0624S-3R3MT	3.3±20%	39	9.00	10.00	4.00	6.00
MWLA0624S-4R7MT	4.7±20%	50	8.00	9.00	3.50	5.50
MWLA0624S-6R8MT	6.8±20%	72	6.00	7.00	2.50	4.00
MWLA0624S-100MT	10±20%	101	4.50	5.00	1.90	3.20

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA0603S-R10NT	0.10±30%	1.7	53.00	60.00	23.00	32.50
MWLA0603S-R15MT	0.15±20%	1.9	40.00	45.00	24.00	27.00
MWLA0603S-R15MTB01	0.15±20%	0.9±7%	41.00	45.00	34.00	37.00
MWLA0603S-R20MT	0.20±20%	2.7	36.00	41.00	15.00	24.00
MWLA0603S-R22MT	0.22±20%	2.8	35.00	40.00	14.50	23.00
MWLA0603S-R33MT	0.33±20%	3.9	28.00	32.00	12.50	20.00
MWLA0603S-R47MT	0.47±20%	4.2	23.00	26.00	12.00	17.50
MWLA0603S-R56MT	0.56±20%	5	23.00	25.50	11.00	16.50
MWLA0603S-R68MT	0.68±20%	5.5	22.00	25.00	13.50	15.50
MWLA0603S-R82MT	0.82±20%	8	21.00	24.00	9.00	13.00
MWLA0603S-1R0MT	1.0±20%	10	19.40	22.00	9.70	11.00
MWLA0603S-1R2MT	1.2±20%	12	17.50	20.00	6.00	10.00
MWLA0603S-1R5MT	1.5±20%	15	16.00	18.00	5.80	9.00
MWLA0603S-2R0MT	2.0±20%	19	13.50	15.00	5.50	8.20
MWLA0603S-2R2MT	2.2±20%	20	12.50	14.00	5.20	8.00
MWLA0603S-3R3MT	3.3±20%	30	12.00	13.50	3.50	6.00
MWLA0603S-4R7MT	4.7±20%	40	8.80	10.0	3.20	5.50
MWLA0603S-5R6MT	5.6±20%	48	8.00	9.00	3.00	5.00
MWLA0603S-6R8MT	6.8±20%	60	7.00	8.00	2.80	4.50
MWLA0603S-8R2MT	8.2±20%	68	6.50	7.50	2.50	4.00
MWLA0603S-100MT	10±20%	85	5.50	6.00	2.40	3.50
MWLA0603S-150MT	15±20%	123	3.50	4.00	2.60	3.00
MWLA0603S-220MT	22±20%	190	3.00	3.50	1.20	2.00
MWLA0603S-330MT	33±20%	240	2.20	2.50	1.20	2.00
MWLA0603S-470MT	47±20%	363	1.80	2.00	1.10	1.75

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA0604S-R22MT	0.22±20%	0.98±5%	44.50	50.00	28.50	32.00
MWLA0604S-R47MT	0.47±20%	3.4	25.00	28.00	16.00	23.00

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1004S-R12MT	0.12±20%	0.4±7%	62.00	70.00	18.00	28.00
MWLA1004S-R19MT	0.19±20%	0.95	80.00	90.00	26.00	40.00
MWLA1004S-R22MT	0.22±20%	1	53.00	60.00	24.00	35.00
MWLA1004S-R36MT	0.36±20%	1.2	53.00	60.00	21.00	31.00
MWLA1004S-R45MT	0.45±20%	1.5	40.00	45.00	18.00	29.00
MWLA1004S-R47MT	0.47±20%	1.5	38.00	43.00	18.00	28.00
MWLA1004S-R56MT	0.56±20%	1.8	35.00	40.00	17.00	25.00
MWLA1004S-R68MT	0.68±20%	2.7	34.00	39.00	14.00	22.00
MWLA1004S-1R0MT	1.0±20%	3.3	32.00	36.00	11.00	18.00
MWLA1004S-1R2MT	1.2±20%	4	29.00	33.00	10.50	17.00
MWLA1004S-1R5MT	1.5±20%	4.6	29.00	33.00	10.00	16.00
MWLA1004S-2R2MT	2.2±20%	7	24.00	27.00	7.50	12.00
MWLA1004S-3R3MT	3.3±20%	11.8	18.00	20.00	7.00	11.00

规格特性 Specifications

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1004S-4R7MT	4.7±20%	15.5	15.00	17.00	6.50	10.00
MWLA1004S-5R6MT	5.6±20%	19.3	13.00	14.00	5.70	9.00
MWLA1004S-6R8MT	6.8±20%	23.3	12.00	13.50	5.50	8.50
MWLA1004S-100MT	10±20%	30	11.00	12.00	4.50	7.50
MWLA1004S-150MT	15±20%	45	9.00	10.00	4.50	6.25
MWLA1004S-220MT	22±20%	74	6.00	7.00	3.00	5.00
MWLA1004S-330MT	33±20%	112	4.50	5.00	2.00	3.50
MWLA1004S-470MT	47±20%	167	4.00	4.50	1.50	3.00

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1005S-220MT	22±20%	60	9.00	10.00	3.20	5.00
MWLA1005S-330MT	33±20%	92	6.50	7.50	2.80	4.30

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1235S-R33MT	0.33±20%	1.5	55.00	62.00	23.00	36.50
MWLA1235S-R47MT	0.47±20%	2	49.00	55.00	21.00	32.00
MWLA1235S-R68MT	0.68±20%	2.5	44.00	49.00	17.00	28.00
MWLA1235S-R82MT	0.82±20%	3	39.00	44.00	16.00	25.00
MWLA1235S-1R0MT	1.0±20%	3.5	35.00	40.00	15.00	24.00
MWLA1235S-1R5MT	1.5±20%	5.5	32.00	35.00	11.00	19.00
MWLA1235S-2R2MT	2.2±20%	8	26.00	29.00	10.00	16.00
MWLA1235S-3R3MT	3.3±20%	12	24.00	27.00	7.50	12.00
MWLA1235S-4R7MT	4.7±20%	18	20.00	22.00	5.50	9.00
MWLA1235S-5R6MT	5.6±20%	22	17.00	19.00	5.50	9.50
MWLA1235S-6R8MT	6.8±20%	24	16.00	18.00	5.00	9.00
MWLA1235S-8R2MT	8.2±20%	28	14.00	16.00	5.00	8.50
MWLA1235S-100MT	10±20%	34	12.00	14.00	4.50	7.50
MWLA1235S-150MT	15±20%	65	9.00	10.00	4.20	6.50
MWLA1235S-220MT	22±20%	99	6.00	7.00	3.00	4.50
MWLA1235S-330MT	33±20%	160	5.00	6.00	2.00	3.50
MWLA1235S-470MT	47±20%	218	5.00	5.50	1.80	3.00

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1250S-R33MT	0.33±20%	0.9	71.00	80.00	30.00	42.00
MWLA1250S-R47MT	0.47±20%	1.1	58.00	65.00	27.00	38.00
MWLA1250S-R56MT	0.56±20%	1.5	49.00	55.00	25.00	36.00
MWLA1250S-R68MT	0.68±20%	1.7	48.00	54.00	22.00	34.00
MWLA1250S-R82MT	0.82±20%	2.1	46.00	52.00	20.00	31.00
MWLA1250S-1R0MT	1.0±20%	2.5	44.00	50.00	19.00	29.00
MWLA1250S-1R5MT	1.5±20%	3.3	42.00	48.00	17.00	27.00

规格特性
Specifications

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1250S-2R2MT	2.2±20%	5.5	32.00	32.00	12.00	20.00
MWLA1250S-3R3MT	3.3±20%	9.2	28.00	32.00	9.00	15.00
MWLA1250S-4R7MT	4.7±20%	15	24.00	27.00	7.50	12.00
MWLA1250S-5R6MT	5.6±20%	16.5	20.00	22.00	7.00	11.50
MWLA1250S-6R8MT	6.8±20%	18.5	19.00	21.00	7.00	11.00
MWLA1250S-8R2MT	8.2±20%	22.5	16.00	18.00	6.50	9.50
MWLA1250S-100MT	10±20%	25.5	14.00	16.00	6.00	9.00
MWLA1250S-150MT	15±20%	38	12.00	13.00	5.00	8.20
MWLA1250S-220MT	22±20%	58	9.00	10.00	4.00	6.50
MWLA1250S-330MT	33±20%	88	7.00	8.00	3.00	5.00

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1206S-R47MT	0.47±20%	1.3	58.00	64.00	24.00	38.00
MWLA1206S-R68MT	0.68±20%	1.7	51.00	57.00	21.00	33.00
MWLA1206S-1R0MT	1.0±20%	2.4	47.00	53.00	19.00	29.00
MWLA1206S-1R5MT	1.5±20%	3.2	44.00	50.00	18.00	26.00
MWLA1206S-2R2MT	2.2±20%	4.7	38.00	43.00	14.00	21.00
MWLA1206S-3R3MT	3.3±20%	7.1	31.00	35.00	11.00	17.00
MWLA1206S-4R7MT	4.7±20%	11.5	27.00	30.00	10.00	16.00
MWLA1206S-6R8MT	6.8±20%	13.8	22.00	25.00	9.50	15.00
MWLA1206S-8R2MT	8.2±20%	16	20.00	23.00	7.00	11.00
MWLA1206S-100MT	10±20%	20.7	19.00	21.00	7.00	11.00
MWLA1206S-150MT	15±20%	29	14.00	16.00	5.50	9.00
MWLA1206S-220MT	22±20%	39.5	12.00	14.00	5.00	8.00
MWLA1206S-330MT	33±20%	75	11.00	12.00	3.80	6.00
MWLA1206S-470MT	47±20%	90	10.00	11.00	3.50	5.50
MWLA1206S-680MT	68±20%	140	8.00	9.00	3.30	5.00
MWLA1206S-820MT	82±20%	161	7.50	8.50	3.00	4.50
MWLA1206S-101MT	100±20%	200	7.00	8.00	2.70	4.00
MWLA1206S-121MT	120±20%	235	6.00	7.00	2.20	3.50
MWLA1206S-151MT	150±20%	350	5.50	6.00	1.70	3.00

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	
	@100KHz,1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1265S-R33MT	0.33±20%	0.8	60.00	68.00	30.00	46.00
MWLA1265S-R47MT	0.47±20%	1.2	56.00	63.00	29.00	41.00
MWLA1265S-R56MT	0.56±20%	1.4	51.00	58.00	18.00	31.00
MWLA1265S-R68MT	0.68±20%	1.5	49.00	55.00	22.00	35.00
MWLA1265S-R68MTB01	0.68±20%	1.5	49.00	60.00	22.00	35.00
MWLA1265S-1R0MT	1.0±20%	2.3	43.00	48.00	20.00	30.00
MWLA1265S-1R5MT	1.5±20%	3	40.00	45.00	17.00	27.00
MWLA1265S-2R2MT	2.2±20%	4.2	32.00	37.00	19.00	22.00
MWLA1265S-2R7MT	2.7±20%	5.5	29.00	32.00	12.00	20.00
MWLA1265S-3R3MT	3.3±20%	6.8	27.00	30.00	11.00	18.00
MWLA1265S-4R7MT	4.7±20%	8.4	25.00	28.00	8.00	13.50
MWLA1265S-6R8MT	6.8±20%	11.5	16.00	18.00	7.00	11.50

规格特性 Specifications

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	
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1265S-8R2MT	8.2±20%	15.5	14.00	16.00	6.50	10.50
MWLA1265S-100MT	10±20%	16.5	13.50	15.50	6.20	10.00
MWLA1265S-150MT	15±20%	28	12.00	13.00	6.00	9.00
MWLA1265S-150MTB01	15±20%	28	16.00	18.00	6.00	9.00
MWLA1265S-220MT	22±20%	37	11.00	12.00	6.00	9.00
MWLA1265S-330MT	33±20%	58	10.00	11.00	5.00	8.00
MWLA1265S-470MT	47±20%	90	8.50	9.50	4.00	6.50
MWLA1265S-680MT	68±20%	130	7.00	7.80	3.00	4.80

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	
	@100KHz, 1V	Max.	Max.	Typ.	Max.	Typ.
单位 Units	μH	mΩ	A		A	
符号 Symbol	L	DCR	Isat		Irms	
MWLA1707S-1R0MT	1.0±20%	2	53.00	60.00	33.00	52.00
MWLA1707S-1R5MT	1.5±20%	2.5	46.00	52.00	32.00	47.00
MWLA1707S-1R5MTY01	1.5±20%	1.5	46.00	52.00	32.00	47.00
MWLA1707S-2R2MT	2.2±20%	2.7	42.00	47.00	31.00	43.50
MWLA1707S-3R3MT	3.3±20%	3.9	40.00	45.00	17.00	28.00
MWLA1707S-4R7MT	4.7±20%	5.5	36.00	41.00	16.00	25.00
MWLA1707S-5R6MT	5.6±20%	7.05	40.00	45.00	13.00	21.00
MWLA1707S-6R8MT	6.8±20%	9.2	28.00	32.00	12.00	19.00
MWLA1707S-8R2MT	8.2±20%	10.8	22.00	25.00	11.50	18.00
MWLA1707S-100MT	10±20%	13	21.00	24.00	11.20	16.50
MWLA1707S-150MT	15±20%	20.5	20.00	23.00	11.00	12.50
MWLA1707S-220MT	22±20%	26.5	16.00	18.00	7.00	12.00
MWLA1707S-330MT	33±20%	44	13.00	15.00	6.50	10.70
MWLA1707S-390MT	39±20%	48	10.00	11.00	6.00	9.20
MWLA1707S-470MT	47±20%	55	8.50	9.50	7.70	8.70
MWLA1707S-560MT	56±20%	62	8.00	9.00	5.00	7.80
MWLA1707S-680MT	68±20%	80	7.00	8.00	4.50	7.00
MWLA1707S-820MT	82±20%	100	6.00	7.00	3.50	5.70
MWLA1707S-101MT	100±20%	118	5.20	6.50	4.24	5.30

※1: 所有的测试数据均以 25°C 环境温度为准;

※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;

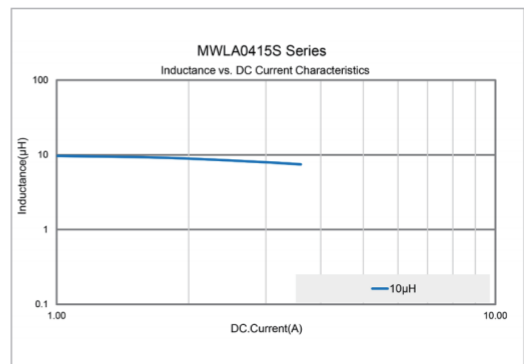
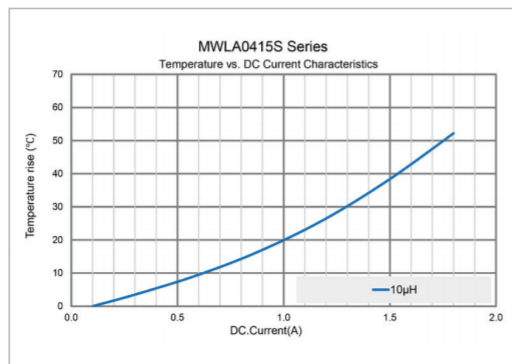
※4: 最大绝对耐压值: 30VDC。

※4: Absolute maximum voltage 30VDC.

电气特性

Typical Electrical Characteristics

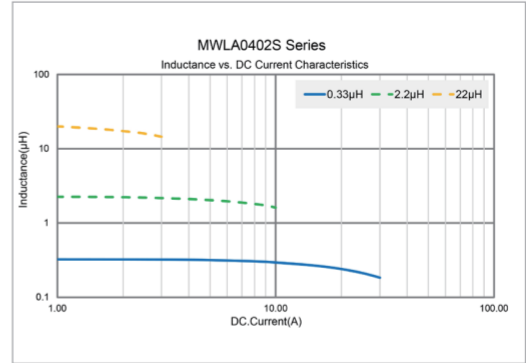
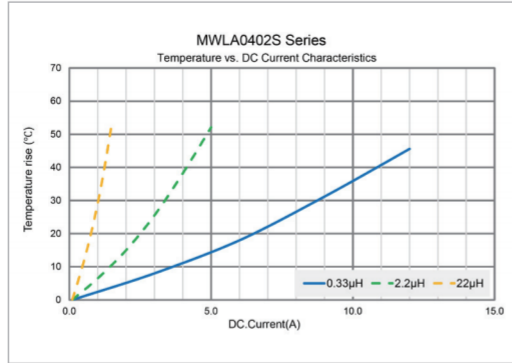
MWLA0415S Series



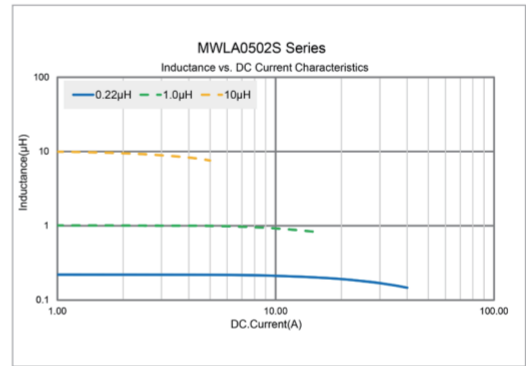
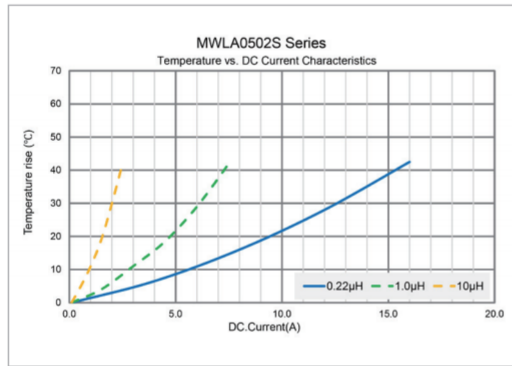
电气特性

Typical Electrical Characteristics

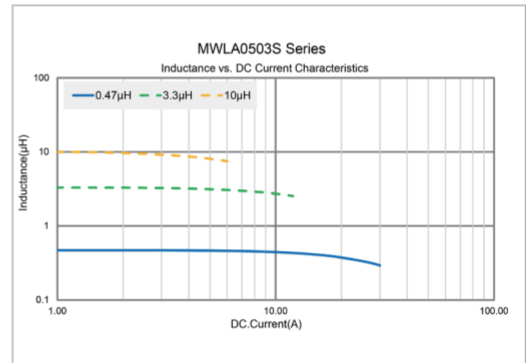
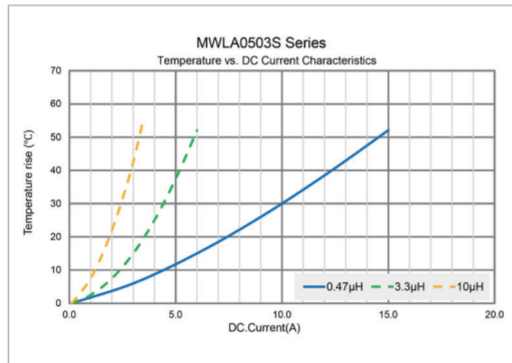
MWLA0402S Series



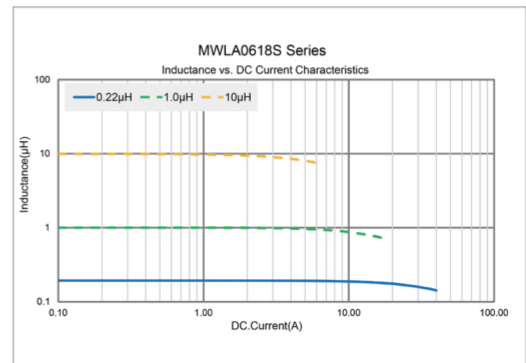
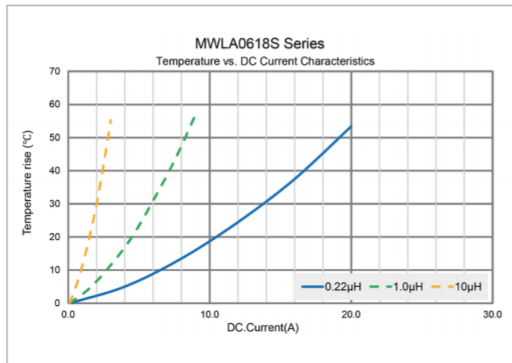
MWLA0502S Series



MWLA0503S Series



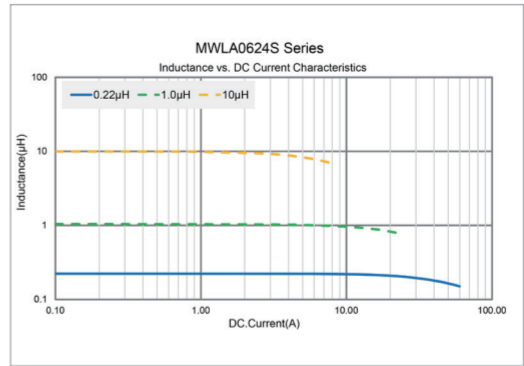
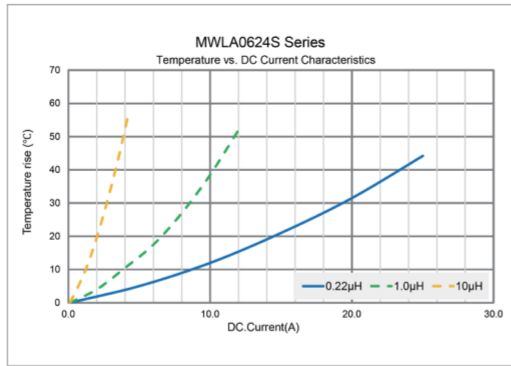
MWLA0618S Series



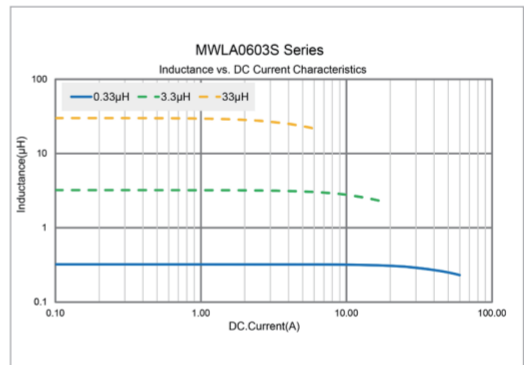
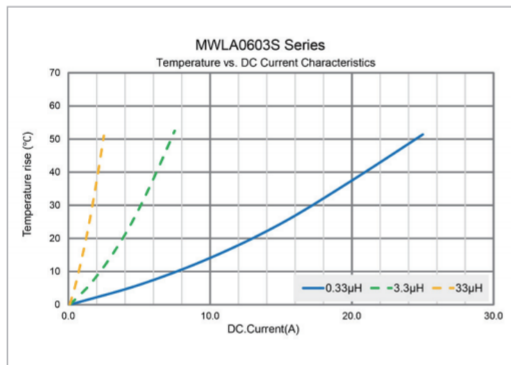
电气特性

Typical
Electrical
Characteristics

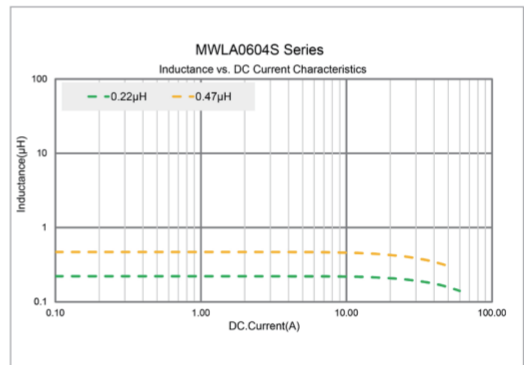
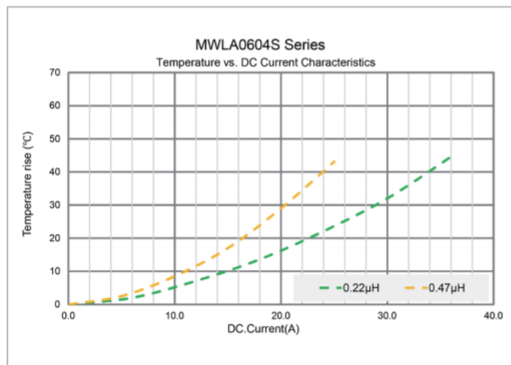
MWLA0624S Series



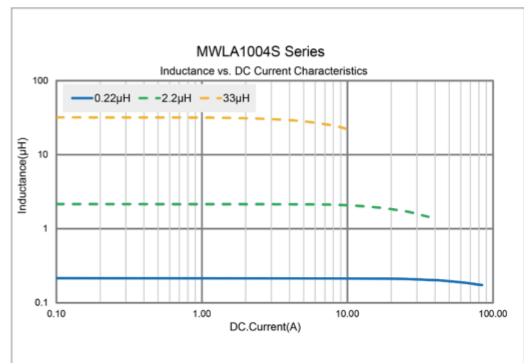
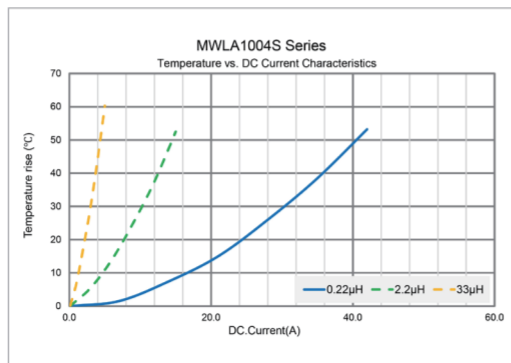
MWLA0603S Series



MWLA0604S Series



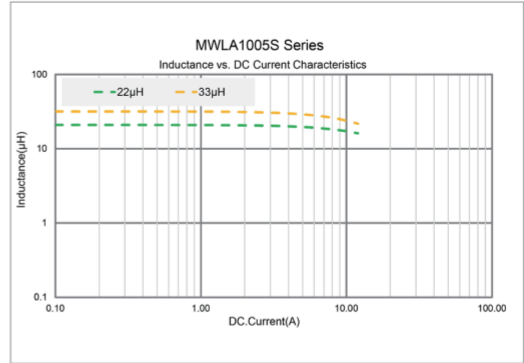
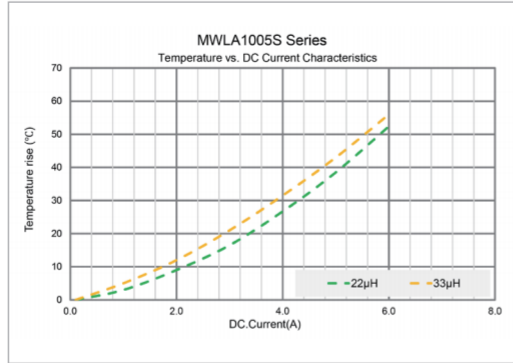
MWLA1004S Series



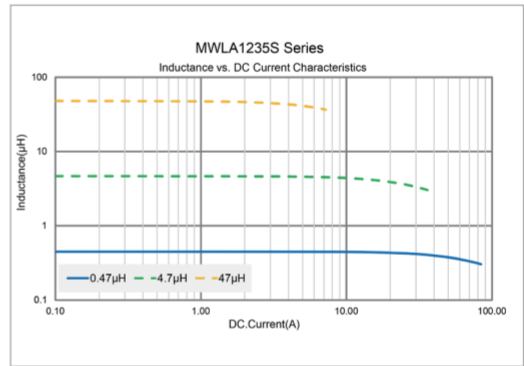
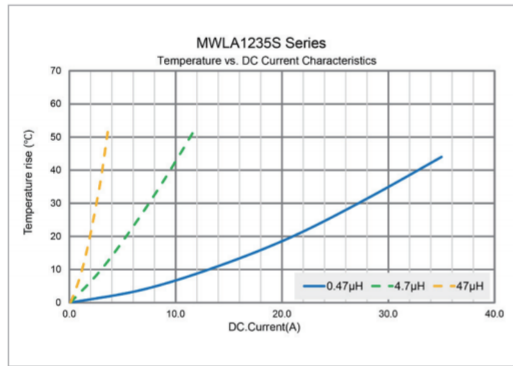
电气特性

Typical Electrical Characteristics

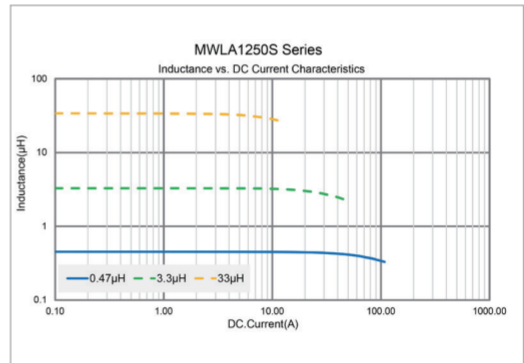
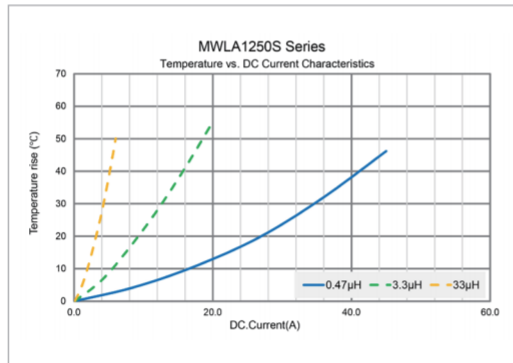
MWLA1005S Series



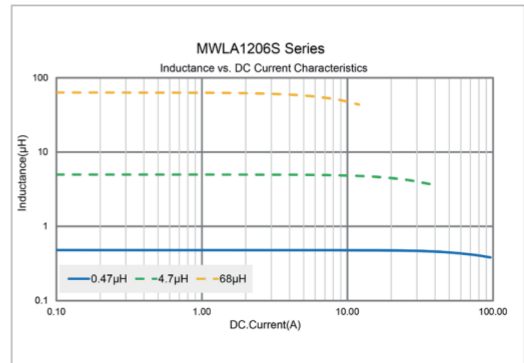
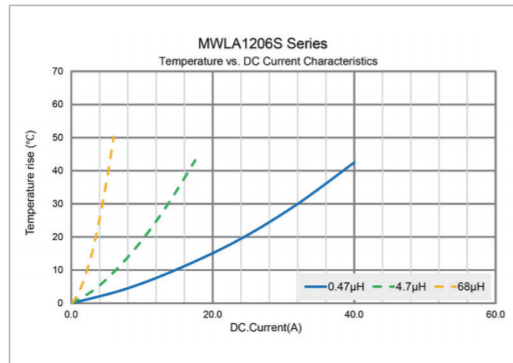
MWLA1235S Series



MWLA1250S Series



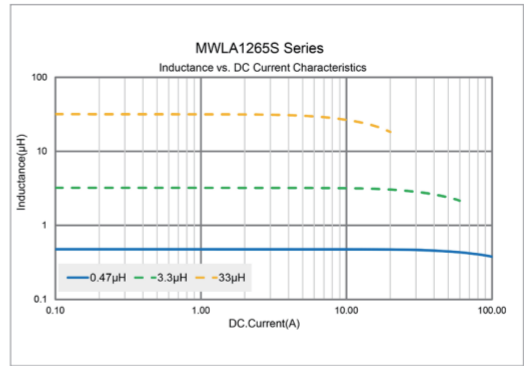
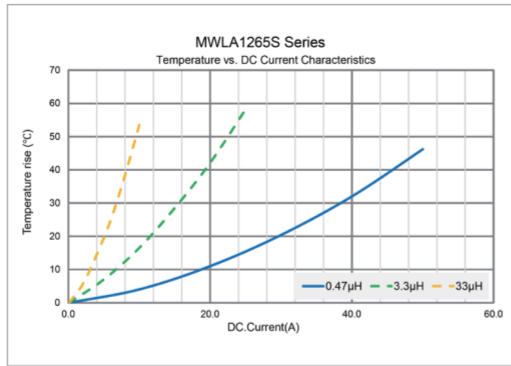
MWLA1206S Series



电气特性

Typical Electrical Characteristics

MWLA1265S Series



MWLA1707S Series

