模压功率电感—MWSA-S 系列
Molded Power Inductors – MWSA – S Series



工作温度 Operating Temp

- -55℃ ~+125℃ (Including self-heating)

特征 Features

- 铁合金材料，高饱和电流，低 DCR
- 闭合磁路设计，漏磁干扰小
- 无卤，符合 RoHS 标准
- Metal material for large current and low DCR
- Closed magnetic circuit design reduces leakage flux
- Halogen free, RoHS compliant

用途 Applications

- TV、显卡、内存
- 笔记本电脑、平板电脑
- 通讯设备、工业设备
- TV, graphics, memory
- Notebooks, tablets
- Communication equipments, industrial equipments

产品型号 Product Identification

1	2	3	4	5	6
MWSA	0412S	XXX	□	T	□□□

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

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公称感量 Nominal Inductance[μH]	
Example	Nominal Value[μH]
R15	0.15μH
1R0	1.0μH

4

感量精度 Inductance Tolerance	
M	±20%

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包装 Packing	
T	编带 Tape & Reel

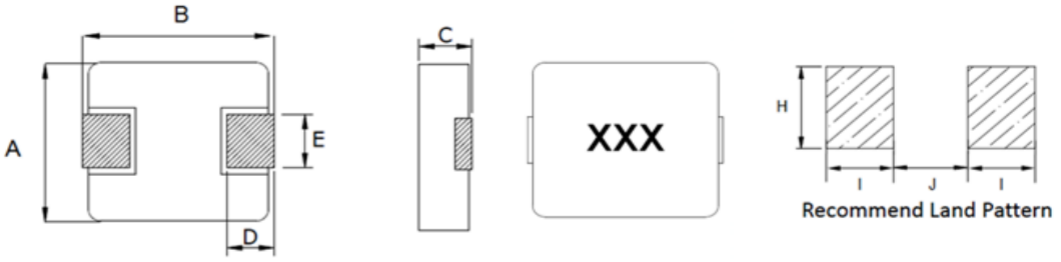
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设计代号 Design Code	
□□□	Design Code
* Standard product is blank	

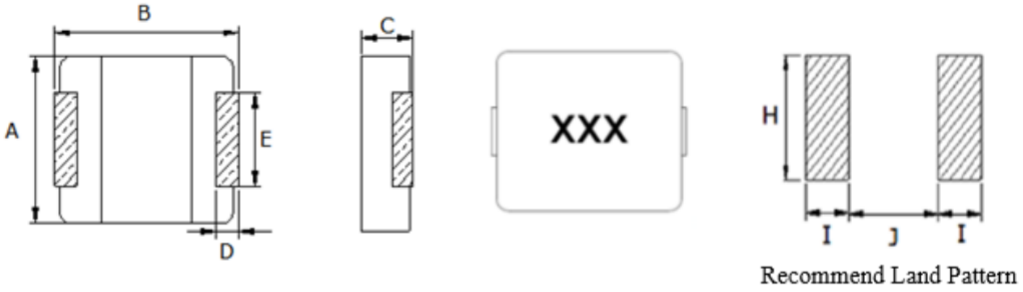
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外形尺寸尺寸 (L×W×H) [mm] External Dimensions (L×W×H) [mm]	
0412	4.4×4.2×1.0
0402	4.4×4.2×1.8
0515	5.4×5.2×1.3
0518	5.4×5.2×1.6
0503	5.4×5.2×2.8
0615	7.0×6.6×1.3
0618	7.0×6.6×1.6
0602	7.0×6.6×1.8
0624	7.0×6.6×2.2
0603	7.0×6.6×2.8
0604	7.0/7.1×6.6×3.8
0605	7.0×6.6×4.8
0804	8.8×8.2×3.8
0805	8.8×8.2×5.0
1003	11.5×10.0×2.8
1004	11.0×10.0×3.8
1005	11.5×10.0×4.8
1204	13.45×12.8×4.0
1205	13.45×12.6×4.8
1206	13.45×12.6×5.8
1265	13.45×12.6×6.5
1707	17.15×17.15×6.7
2213	23.5×22.0×12.6

外观尺寸
Shape and Dimensions



Remark:MWSA0412S ~ MWSA1265S Series



Remark:MWSA1707S ~ MWSA2213S Series

Unit: mm

Series	A	B	C	D	E	I Typ.	J Typ.	H Typ.
MWSA0412S	4.2±0.25	4.4±0.35	1.0±0.2	0.8±0.3	2.0±0.3	1.5	2.2	2.5
MWSA0402S	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
MWSA0515S	5.2±0.2	5.4±0.35	1.3±0.2	1.2±0.2	2.2±0.3	1.9	2.2	2.5
MWSA0518S	5.2±0.2	5.4±0.35	1.6±0.2	1.2±0.2	2.2±0.3	1.9	2.2	2.5
MWSA0503S	5.2±0.2	5.4±0.35	2.8±0.2	1.2±0.2	2.2±0.3	1.9	2.2	2.5
MWSA0615S	6.6±0.2	7.0±0.3	1.3±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWSA0618S	6.6±0.2	7.0±0.3	1.6±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWSA0602S	6.6±0.2	7.0±0.3	1.8±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWSA0624S	6.6±0.2	7.0±0.3	2.2±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWSA0603S	6.6±0.2	7.0±0.3	2.8±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWSA0604S	6.6±0.2	7.0/7.1±0.3	3.8±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWSA0605S	6.6±0.2	7.0±0.3	4.8±0.2	1.6±0.3	3.0±0.3	2.35	3.7	3.5
MWSA0804S	8.2±0.3	8.8±0.4	3.8±0.2	See Remarks	See Remarks	2.75	4.0	5.5
MWSA0805S	8.2±0.3	8.8±0.4	5.0 Max.	1.4±0.3	5.0±0.3	2.8	4.0	5.5
MWSA1003S	10.0±0.3	11.5 Max.	2.8±0.2	2.0±0.5	3.0±0.3	4.1	5.4	4.1
MWSA1004S	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
MWSA1005S	10.0±0.3	11.5 Max.	4.8±0.2	2.0±0.5	3.0±0.5	4.1	5.4	4.1
MWSA1204S	12.8±0.5	13.45±0.35	4.0 Max.	2.0±0.5	See Remarks	3.25	8.0	5.5
MWSA1205S	12.6±0.3	13.45±0.35	4.8±0.2	2.0±0.5	See Remarks	3.25	8.0	5.5
MWSA1206S	12.6±0.3	13.45±0.35	5.8±0.2	2.0±0.5	See Remarks	3.25	8.0	5.5
MWSA1265S	12.6±0.3	13.45±0.35	6.5 Max.	2.0±0.5	5.0±0.3	3.25	8.0	5.5
MWSA1707S	17.15 Max.	17.15±0.35	6.7±0.3	2.5±0.5	12.0±0.3	3.50	11.2	12.8
MWSA2213S	22.0±0.3	23.5±0.5	12.6±0.4	5.0±0.4	19.0±0.3	5.75	12.5	19.6

Remarks:

Series	D(mm)	E(mm)	Inductance
MWSA0804S	1.6±0.3	3.0±0.5	MWSA0804S-70NMT/MWSA0804S-R10MTB01
	1.4±0.3	5.0±0.3	Other models
MWSA1204S	/	3.85±0.5	< R68
	/	5.0±0.3	≥ R68
MWSA1205S	/	3.85±0.5	≤ 2R2
	/	5.0±0.3	> 2R2
MWSA1206S	/	3.85±0.5	≤ 2R2
	/	5.0±0.3	> 2R2

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规格特性
Specifications

MWSA0412S 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		/
MWSA0412S-R15MT	0.15±20%	9	12.0	15.0	6.8	7.5	50
MWSA0412S-R22MT	0.22±20%	11	8.8	11.0	6.5	7.0	50
MWSA0412S-R33MT	0.33±20%	19	6.7	8.4	5.7	6.5	50
MWSA0412S-R47MT	0.47±20%	21	5.4	6.8	5.2	6.0	50
MWSA0412S-R68MT	0.68±20%	36	4.8	6.0	4.2	4.7	50
MWSA0412S-1R0MT	1.0±20%	47	4.4	5.5	3.8	4.5	50
MWSA0412S-1R5MT	1.5±20%	75	3.2	4.0	2.7	3.25	50
MWSA0412S-2R2MT	2.2±20%	83.5	2.4	3.0	2.2	2.75	50
MWSA0412S-3R3MT	3.3±20%	160	2.38	2.7	1.77	2.0	50
MWSA0412S-4R7MT	4.7±20%	195	1.8	2.2	1.45	1.8	50

MWSA0402S 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		/
MWSA0402S-R10MT	0.10±20%	4	17.6	22.0	11.2	13.0	60
MWSA0402S-R22MT	0.22±20%	6.6	10.0	12.5	8.2	9.5	60
MWSA0402S-R33MT	0.33±20%	11	9.6	12.0	8.6	10.0	60
MWSA0402S-R47MT	0.47±20%	14	7.6	9.5	6.65	7.5	60
MWSA0402S-R56MT	0.56±20%	16	7.2	9.0	6.1	7.0	60
MWSA0402S-R68MT	0.68±20%	18	6.4	8.0	6.15	7.0	60
MWSA0402S-1R0MT	1.0±20%	27	5.6	7.0	5.4	6.0	60
MWSA0402S-1R0MTB01	1.0±20%	27	8.0	9.0	5.4	6.0	60
MWSA0402S-1R2MT	1.2±20%	27	5.2	6.5	5.4	6.0	60
MWSA0402S-1R5MT	1.5±20%	46	4.4	5.5	4.3	5.0	60
MWSA0402S-2R2MT	2.2±20%	58	4.0	5.0	3.8	4.5	60
MWSA0402S-3R3MT	3.3±20%	87	2.8	3.5	2.8	3.3	60
MWSA0402S-4R7MT	4.7±20%	105	2.4	3.0	2.2	2.8	60
MWSA0402S-5R6MT	5.6±20%	150	2.24	2.8	2.0	2.5	60
MWSA0402S-6R8MT	6.8±20%	175	2.0	2.5	1.9	2.4	60
MWSA0402S-100MT	10±20%	282	1.6	2.0	1.3	1.6	60
MWSA0402S-220MT	22±20%	363	1.12	1.4	0.9	1.2	60

MWSA0515S 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		/
MWSA0515S-R47MT	0.47±20%	13	12.0	13.0	8.7	9.5	60
MWSA0515S-R68MT	0.68±20%	15.5	9.5	11.2	8.1	9.0	60
MWSA0515S-1R0MT	1.0±20%	23	8.0	9.5	5.8	6.5	60
MWSA0515S-2R2MT	2.2±20%	52	4.8	5.8	4.0	5.0	60
MWSA0515S-3R3MT	3.3±20%	72	4.0	4.5	3.0	3.3	60
MWSA0515S-4R7MT	4.7±20%	106	3.7	4.2	2.6	3.0	60

规格特性
Specifications

MWSA0518S 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		/
MWSA0518S-R22MT	0.22±20%	4.8	19.0	21.5	16.0	19.0	60
MWSA0518S-R33MT	0.33±20%	7.2	17.0	19.0	14.0	16.0	60
MWSA0518S-R47MT	0.47±20%	9	9.6	12.0	9.5	10.5	60
MWSA0518S-R56MT	0.56±20%	10	8.8	11.0	8.2	9.5	60
MWSA0518S-R68MT	0.68±20%	13.8	9.3	10.5	7.7	8.7	60
MWSA0518S-1R0MT	1.0±20%	17	7.2	9.0	7.2	8.0	60
MWSA0518S-1R5MT	1.5±20%	26	6.4	8.0	6.6	7.5	60
MWSA0518S-2R2MT	2.2±20%	35	4.8	6.5	4.2	5.0	60
MWSA0518S-3R3MT	3.3±20%	58	3.84	4.8	3.8	4.5	60
MWSA0518S-4R7MT	4.7±20%	85	3.2	4.0	3.0	3.5	60
MWSA0518S-6R8MT	6.8±20%	120	2.72	3.4	2.4	2.8	60
MWSA0518S-100MT	10±20%	155	2.0	2.5	2.2	2.5	60

MWSA0503S 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		/
MWSA0503S-R10MT	0.10±20%	3	24.0	30.0	23.0	25.0	60
MWSA0503S-R20MT	0.20±20%	3.9	16.0	20.0	13.0	14.0	60
MWSA0503S-R22MT	0.22±20%	3.9	16.0	18.0	12.9	14.5	60
MWSA0503S-R33MT	0.33±20%	5.5	14.4	18.0	13.1	14.0	60
MWSA0503S-R47MT	0.47±20%	8.5	12.0	15.0	10.0	11.0	60
MWSA0503S-R68MT	0.68±20%	12	9.2	11.5	8.2	9.0	60
MWSA0503S-R82MT	0.82±20%	10.4	9.2	10.5	9.0	10.5	60
MWSA0503S-1R0MT	1.0±20%	14	8.0	10.0	7.8	8.5	60
MWSA0503S-1R2MT	1.2±20%	16	7.6	9.5	7.85	8.5	60
MWSA0503S-1R5MT	1.5±20%	25	7.2	9.0	7.6	8.2	60
MWSA0503S-2R2MT	2.2±20%	29	5.6	7.0	6.4	7.0	60
MWSA0503S-3R3MT	3.3±20%	38	4.8	6.0	5.0	5.5	60
MWSA0503S-4R7MT	4.7±20%	60	3.68	4.6	4.0	4.5	60
MWSA0503S-6R8MT	6.8±20%	90	2.88	3.6	2.9	3.5	60
MWSA0503S-100MT	10±20%	125	2.8	3.5	2.8	3.2	60
MWSA0503S-150MT	15±20%	170	2.0	2.2	1.6	1.8	60
MWSA0503S-220MT	22±20%	248	2.1	2.3	1.3	1.5	60

MWSA0615S 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		/
MWSA0615S-R47MT	0.47±20%	8.5	14.16	16.0	8.85	10.0	60
MWSA0615S-R56MT	0.56±20%	11	12.38	14.0	7.96	9.0	60
MWSA0615S-R68MT	0.68±20%	12	10.62	12.0	7.52	8.5	60
MWSA0615S-R82MT	0.82±20%	17	8.85	10.0	7.08	8.0	60
MWSA0615S-1R0MT	1.0±20%	21	7.96	9.0	5.3	6.0	60
MWSA0615S-1R5MT	1.5±20%	40	7.0	8.0	4.4	5.0	60
MWSA0615S-2R2MT	2.2±20%	54	6.19	7.0	3.36	3.8	60
MWSA0615S-3R3MT	3.3±20%	63	4.87	5.5	3.1	3.5	60
MWSA0615S-4R7MT	4.7±20%	85	4.42	5.0	2.83	3.2	60
MWSA0615S-6R8MT	6.8±20%	135	3.54	4.0	2.21	2.5	60
MWSA0615S-100MT	10±20%	175	2.65	3.0	1.77	2.0	60
MWSA0615S-220MT	22±20%	510	2.2	2.5	1.32	1.4	60

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规格特性
Specifications

MWSA0618S 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		/
MWSA0618S-R10MT	0.10±20%	2.3	30.4	38.0	23.0	25.0	60
MWSA0618S-R22MT	0.22±20%	3.5	19.2	24.0	20.0	22.0	60
MWSA0618S-R47MT	0.47±20%	8.4	16.0	18.0	10.0	11.5	60
MWSA0618S-R68MT	0.68±20%	12	13.2	16.5	8.4	9.5	60
MWSA0618S-1R0MT	1.0±20%	16	9.6	12.0	7.6	8.5	60
MWSA0618S-1R5MT	1.5±20%	26	7.36	9.2	7.1	8.0	60
MWSA0618S-2R2MT	2.2±20%	35	6.4	8.0	6.2	7.0	60
MWSA0618S-3R3MT	3.3±20%	50	4.8	6.0	3.8	4.5	60
MWSA0618S-4R7MT	4.7±20%	62	4.0	5.0	3.5	4.0	60
MWSA0618S-6R8MT	6.8±20%	110	3.6	4.5	2.4	3.0	60
MWSA0618S-8R2MT	8.2±20%	135	2.9	3.6	2.1	2.4	60
MWSA0618S-100MT	10±20%	155	3.2	4.0	1.95	2.3	60
MWSA0618S-220MT	22±20%	350	1.84	2.3	1.4	1.8	60

MWSA0602S 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		/
MWSA0602S-1R5MT	1.5±20%	18	10.0	12.0	7.0	8.0	60
MWSA0602S-2R2MT	2.2±20%	35	6.0	7.5	5.2	6.5	60
MWSA0602S-4R7MT	4.7±20%	60	4.5	5.5	3.5	4.3	60
MWSA0602S-6R8MT	6.8±20%	73	5.0	5.5	3.5	4.0	60
MWSA0602S-100MT	10±20%	145	3.2	4.0	2.2	2.8	60

MWSA0624S 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		/
MWSA0624S-R22MT	0.22±20%	3	24.0	30.0	19.0	21.0	80
MWSA0624S-R33MT	0.33±20%	4.1	19.6	24.5	16.0	18.0	80
MWSA0624S-R47MT	0.47±20%	5.1	16.0	20.0	13.5	15.0	80
MWSA0624S-R56MT	0.56±20%	6.5	13.6	17.0	11.5	13.0	80
MWSA0624S-R68MT	0.68±20%	7	12.8	16.0	10.5	12.0	80
MWSA0624S-1R0MT	1.0±20%	13.5	12.0	15.0	8.0	9.0	80
MWSA0624S-1R5MT	1.5±20%	20	10.8	13.5	7.0	8.2	80
MWSA0624S-2R2MT	2.2±20%	28	8.0	10.0	6.2	7.0	80
MWSA0624S-3R3MT	3.3±20%	39	6.4	8.0	4.8	5.5	80
MWSA0624S-4R7MT	4.7±20%	50	5.2	6.5	4.3	5.0	80
MWSA0624S-6R8MT	6.8±20%	70	4.8	6.0	3.2	4.0	80
MWSA0624S-100MT	10±20%	101	3.3	4.0	2.4	3.1	80
MWSA0624S-150MT	15±20%	160	2.64	3.3	2.0	2.5	80
MWSA0624S-220MT	22±20%	230	2.0	2.5	1.6	2.0	80

规格特性
Specifications

MWSA0603S 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		/
MWSA0603S-R10MT	0.10±20%	1.7	53.0	60.0	28.5	32.5	100
MWSA0603S-R12MT	0.12±20%	0.77±7%	30.0	40.0	32.0	38.0	100
MWSA0603S-R22MT	0.22±20%	3	27.2	34.0	21.0	24.0	100
MWSA0603S-R24MT	0.24±20%	3.1	22.4	28.0	18.4	23.0	100
MWSA0603S-R24MTY02	0.24±20%	1.19±7%	30.0	35.0	26.0	30.0	100
MWSA0603S-R33MT	0.33±20%	3.5	20.0	25.0	19.0	21.0	100
MWSA0603S-R47MT	0.47±20%	4.1	16.0	20.0	16.5	18.0	100
MWSA0603S-R56MT	0.56±20%	4.5	14.4	18.0	15.0	16.5	100
MWSA0603S-R68MT	0.68±20%	5.3	13.6	17.0	14.5	16.0	100
MWSA0603S-R82MT	0.82±20%	6.0	12.8	16.0	12.5	14.0	100
MWSA0603S-1R0MT	1.0±20%	7.4	12.0	15.0	10.5	12.0	100
MWSA0603S-1R2MT	1.2±20%	10.5	11.2	14.0	9.5	10.0	100
MWSA0603S-1R5MT	1.5±20%	12.1	9.6	12.0	10.5	12.0	100
MWSA0603S-1R5MTB01	1.5±20%	11	11.2	14.0	9.5	10.5	100
MWSA0603S-1R8MT	1.8±20%	12.6	9.4	11.8	8.2	9.3	100
MWSA0603S-2R2MT	2.2±20%	15	8.0	10.0	8.5	9.5	100
MWSA0603S-3R3MT	3.3±20%	22	7.6	9.5	7.5	8.5	100
MWSA0603S-4R7MT	4.7±20%	33	7.2	9.0	5.0	6.0	100
MWSA0603S-5R6MT	5.6±20%	42	5.2	6.5	4.8	5.5	100
MWSA0603S-6R8MT	6.8±20%	48	4.8	6.0	4.2	5.0	100
MWSA0603S-8R2MT	8.2±20%	60	4.4	5.5	4.2	5.0	100
MWSA0603S-100MT	10±20%	68	4.4	5.5	3.8	4.5	100
MWSA0603S-150MT	15±20%	113	3.2	4.0	2.3	3.0	100
MWSA0603S-220MT	22±20%	170	2.4	3.0	2.0	2.5	100
MWSA0603S-330MT	33±20%	270	2.0	2.5	1.6	2.0	100
MWSA0603S-330MTB01	33±20%	210	2.0	2.5	1.7	2.2	100
MWSA0603S-470MT	47±20%	385	1.6	2.0	1.2	1.5	100

MWSA0604S 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		/
MWSA0604S-R15MT	0.15±20%	0.66±7%	45.0	50.0	36.0	40.0	100
MWSA0604S-R22MT	0.22±20%	0.98±7%	28.0	35.0	32.0	35.0	100
MWSA0604S-R68MT	0.68±20%	4.8	17.0	19.0	16.0	17.0	100
MWSA0604S-1R0MT	1.0±20%	6.6	15.0	16.0	12.5	13.5	100
MWSA0604S-1R5MT	1.5±20%	10	12.0	12.5	11.0	12.4	100
MWSA0604S-2R2MT	2.2±20%	14	10.0	11.0	8.5	10.0	100
MWSA0604S-3R3MT	3.3±20%	20	8.7	9.5	7.8	8.5	100
MWSA0604S-4R7MT	4.7±20%	30	8.0	9.0	6.0	6.5	100
MWSA0604S-6R8MT	6.8±20%	45	6.0	6.5	5.0	5.5	100
MWSA0604S-100MT	10±20%	65	5.0	6.0	4.0	4.8	100
MWSA0604S-100MTB01	10±20%	63	5.5	6.5	4.1	5.0	100
MWSA0604S-150MT	15±20%	95	4.0	4.5	3.2	3.7	100
MWSA0604S-220MT	22±20%	125	3.5	4.0	3.0	3.3	100
MWSA0604S-330MT	33±20%	240	2.5	3.0	2.0	2.2	100
MWSA0604S-470MT	47±20%	320	2.0	2.5	1.6	1.8	100

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规格特性
Specifications

MWSA0605S 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		/
MWSA0605S-R47MT	0.47±20%	3.9	16.8	21.0	17.0	20.0	100
MWSA0605S-R68MT	0.68±20%	4.5	14.4	18.0	14.5	16.5	100
MWSA0605S-1R0MT	1.0±20%	6.6	12.8	16.0	10.0	12.0	100
MWSA0605S-1R5MT	1.5±20%	10	10.4	13.0	8.2	9.5	100
MWSA0605S-2R2MT	2.2±20%	12.5	8.8	11.0	8.0	9.0	100
MWSA0605S-3R3MT	3.3±20%	22	8.0	10.0	7.6	8.5	100
MWSA0605S-4R7MT	4.7±20%	29	6.4	8.0	5.0	6.0	100
MWSA0605S-6R8MT	6.8±20%	41	5.04	6.3	4.0	5.8	100
MWSA0605S-8R2MT	8.2±20%	48	4.4	5.5	4.8	5.5	100
MWSA0605S-100MT	10±20%	60	4.24	5.3	3.8	4.5	100
MWSA0605S-150MT	15±20%	90	3.2	4.0	2.6	3.1	100
MWSA0605S-220MT	22±20%	140	2.8	3.5	2.0	2.6	100
MWSA0605S-330MT	33±20%	190	2.4	3.0	1.8	2.3	100
MWSA0605S-470MT	47±20%	230	2.08	2.6	1.5	2.0	100
MWSA0605S-680MT	68±20%	320	2.0	2.5	1.3	1.8	100

MWSA0804S 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		/
MWSA0804S-70NMT	0.07±20%	0.6	60.0	78.0	40.0	51.0	100
MWSA0804S-R10MT	0.10±20%	1.6	68.0	72.0	35.0	40.0	100
MWSA0804S-R10MTB01	0.10±20%	0.7	53.0	65.0	36.0	46.0	100
MWSA0804S-R15MT	0.15±20%	1.65	65.0	70.0	33.0	39.0	100
MWSA0804S-R22MT	0.22±20%	1.8	55.0	60.0	30.0	36.0	100
MWSA0804S-R33MT	0.33±20%	2.4	40.0	45.0	25.0	30.0	100
MWSA0804S-R47MT	0.47±20%	2.8	36.0	42.0	25.0	28.0	100
MWSA0804S-R56MT	0.56±20%	3.2	23.0	26.0	22.0	24.0	100
MWSA0804S-R68MT	0.68±20%	3.8	22.0	24.0	21.0	23.0	100
MWSA0804S-R82MT	0.82±20%	4.4	19.0	21.0	19.0	21.0	100
MWSA0804S-1R0MT	1.0±20%	4.62	17.0	19.0	17.0	19.0	100
MWSA0804S-1R5MT	1.5±20%	7.6	15.0	17.0	15.0	17.0	100
MWSA0804S-1R8MT	1.8±20%	11	13.5	15.0	12.5	15.0	100
MWSA0804S-2R2MT	2.2±20%	11.4	12.0	14.0	12.0	14.0	100
MWSA0804S-3R3MT	3.3±20%	15	11.0	12.5	10.0	12.0	100
MWSA0804S-4R7MT	4.7±20%	26.5	10.5	11.5	8.5	9.5	100
MWSA0804S-5R6MT	5.6±20%	30	10.0	11.0	8.0	9.0	100
MWSA0804S-6R8MT	6.8±20%	36.8	8.0	9.0	7.0	8.0	100
MWSA0804S-8R2MT	8.2±20%	46	7.7	8.7	6.0	7.0	100
MWSA0804S-100MT	10±20%	59	7.0	8.0	5.5	6.5	100
MWSA0804S-150MT	15±20%	71	4.9	5.5	4.8	5.4	100
MWSA0804S-220MT	22±20%	113	4.5	5.0	4.2	4.8	100
MWSA0804S-330MT	33±20%	156	3.3	3.5	3.0	3.5	100
MWSA0804S-470MT	47±20%	225	2.9	3.1	2.5	2.9	100

规格特性
Specifications

MWSA0805S 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		/
MWSA0805S-R50MT	0.5±20%	2.4	30.0	40.5	25.0	28.1	100
MWSA0805S-2R2MT	2.2±20%	12	14.0	16.0	8.5	10.0	100
MWSA0805S-3R3MT	3.3±20%	15	11.5	13.0	8.0	9.0	100
MWSA0805S-4R7MT	4.7±20%	20	10.5	12.0	7.0	8.0	100
MWSA0805S-100MT	10±20%	45	7.0	8.0	4.8	5.5	100
MWSA0805S-150MT	15±20%	50	6.0	7.0	4.5	5.0	100
MWSA0805S-220MT	22±20%	88	4.8	5.5	3.5	4.0	100
MWSA0805S-330MT	33±20%	140	4.5	5.0	2.5	3.0	100
MWSA0805S-470MT	47±20%	195	3.0	3.5	2.2	2.5	100
MWSA0805S-680MT	68±20%	265	2.5	3.0	1.7	2.0	100
MWSA0805S-101MT	100±20%	326	2.0	2.5	1.3	1.5	100

MWSA1003S 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		/
MWSA1003S-R22MT	0.22±20%	1.2	44.24	50.0	29.2	33.0	100
MWSA1003S-R33MT	0.33±20%	1.6	28.3	32.0	20.35	23.0	100
MWSA1003S-R36MT	0.36±20%	1.6	24.8	28.0	20.35	23.0	100
MWSA1003S-R47MT	0.47±20%	2.5	23.0	26.0	19.47	22.0	100
MWSA1003S-R82MT	0.82±20%	3.7	20.35	23.0	15.93	18.0	100
MWSA1003S-1R0MT	1.0±20%	6	18.58	21.0	13.27	15.0	100
MWSA1003S-1R5MT	1.5±20%	7.5	17.69	20.0	11.5	13.0	100
MWSA1003S-2R2MT	2.2±20%	9	12.38	14.0	9.73	11.0	100
MWSA1003S-3R3MT	3.3±20%	16	10.61	12.0	7.96	9.0	100
MWSA1003S-4R7MT	4.7±20%	22.5	8.84	10.0	6.19	7.0	100
MWSA1003S-6R8MT	6.8±20%	40	7.0	8.0	4.8	5.5	100
MWSA1003S-8R2MT	8.2±20%	45	6.2	7.0	4.42	5.0	100
MWSA1003S-100MT	10±20%	55	5.75	6.5	3.98	4.5	100
MWSA1003S-150MT	15±20%	65	5.3	6.0	3.5	4.0	100
MWSA1003S-220MT	22±20%	99	4.4	5.0	2.65	3.0	100
MWSA1003S-330MT	33±20%	160	3.53	4.0	2.3	2.6	100

MWSA1004S 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		/
MWSA1004S-R13MT	0.13±20%	0.55	63.0	92.0	63.0	72.0	100
MWSA1004S-R15MT	0.15±20%	0.65	60.0	75.0	40.0	45.0	100
MWSA1004S-R22MT	0.22±20%	1	48.0	60.0	30.0	35.0	100
MWSA1004S-R30MT	0.30±20%	1.1	36.0	45.0	30.0	35.0	100
MWSA1004S-R33MT	0.33±20%	1.15	36.0	45.0	28.0	32.0	100
MWSA1004S-R36MT	0.36±20%	1.2	36.0	45.0	25.0	30.0	100
MWSA1004S-R45MT	0.45±20%	1.5	34.0	43.0	25.0	30.0	100
MWSA1004S-R47MT	0.47±20%	1.7	32.0	40.0	25.0	30.0	100
MWSA1004S-R56MT	0.56±20%	1.8	26.4	33.0	20.0	25.0	100
MWSA1004S-R68MT	0.68±20%	2.4	24.0	30.0	19.0	23.0	100
MWSA1004S-R80MT	0.80±20%	2.7	23.2	29.0	19.0	23.0	100

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规格特性
Specifications

MWSA1004S 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		/
MWSA1004S-1R0MT	1.0±20%	3.3	22.4	28.0	16.0	19.0	100
MWSA1004S-1R5MT	1.5±20%	4.2	19.2	24.0	14.0	16.0	100
MWSA1004S-1R8MT	1.8±20%	4.5	16.0	20.0	14.0	16.0	100
MWSA1004S-2R2MT	2.2±20%	7	13.2	16.5	10.0	12.0	100
MWSA1004S-2R7MT	2.7±20%	12	14.4	18.0	10.0	12.0	100
MWSA1004S-3R3MT	3.3±20%	11.8	12.8	16.0	9.5	11.0	100
MWSA1004S-4R7MT	4.7±20%	20	10.4	13.0	7.5	9.0	100
MWSA1004S-6R8MT	6.8±20%	25	9.6	12.0	7.0	8.5	100
MWSA1004S-8R2MT	8.2±20%	27	7.2	9.0	6.8	8.0	100
MWSA1004S-100MT	10±20%	30	6.8	8.5	6.9	7.8	100
MWSA1004S-150MT	15±20%	45	5.6	7.0	5.6	6.5	100
MWSA1004S-220MT	22±20%	66	4.4	5.5	4.2	5.0	100
MWSA1004S-330MT	33±20%	92	3.84	4.8	3.8	4.4	100
MWSA1004S-470MT	47±20%	145	3.1	3.5	2.8	3.3	100
MWSA1004S-680MT	68±20%	195	2.4	3.0	2.0	2.5	100
MWSA1004S-820MT	82±20%	285	2.3	2.8	2.1	2.3	100

MWSA1005S 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.	Typ.
单位 Units	μH	mΩ	A		A		Vdc
符号 Symbol	L	DCR	Isat		Irms		/
MWSA1005S-R22MT	0.22±20%	0.8	57.5	65.0	32.5	37.0	100
MWSA1005S-R47MT	0.47±20%	1.1	44.2	50.0	31.8	36.0	100
MWSA1005S-R68MT	0.68±20%	1.95	34.0	37.0	21.0	23.0	100
MWSA1005S-1R0MT	1.0±20%	3	28.0	30.0	20.3	23.0	100
MWSA1005S-1R5MT	1.5±20%	3.8	22.0	25.0	18.5	21.0	100
MWSA1005S-2R2MT	2.2±20%	6	16.8	19.0	13.2	15.0	100
MWSA1005S-3R3MT	3.3±20%	10	14.0	16.0	11.5	13.0	100
MWSA1005S-4R7MT	4.7±20%	14	13.2	15.0	9.7	11.0	100
MWSA1005S-5R6MT	5.6±20%	17	12.3	14.0	8.5	9.5	100
MWSA1005S-6R8MT	6.8±20%	18.5	12.3	14.0	8.0	9.0	100
MWSA1005S-100MT	10±20%	28	8.8	10.0	7.0	8.0	100
MWSA1005S-150MT	15±20%	42	6.5	7.5	5.7	6.5	100
MWSA1005S-220MT	22±20%	50	5.3	6.0	5.0	5.5	100
MWSA1005S-330MT	33±20%	86	4.6	5.2	4.2	4.8	100
MWSA1005S-470MT	47±20%	127	4.0	4.5	3.2	3.7	100
MWSA1005S-680MT	68±20%	185	2.8	3.2	2.4	2.7	100
MWSA1005S-820MT	82±20%	280	3.0	3.5	1.7	2.0	100
MWSA1005S-101MT	100±20%	290	2.5	2.8	1.8	2.1	100

MWSA1204S 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		/
MWSA1204S-R22MT	0.22±20%	0.9	40.0	50.0	38.0	42.0	100
MWSA1204S-R47MT	0.47±20%	2	38.4	48.0	29.0	33.0	100
MWSA1204S-R68MT	0.68±20%	3.5	37.6	47.0	24.0	28.0	100
MWSA1204S-R82MT	0.82±20%	4.5	32.0	40.0	24.0	28.0	100

规格特性
Specifications

MWSA1204S 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		/
MWSA1204S-1R0MT	1.0±20%	7.5	28.0	35.0	20.0	24.0	100
MWSA1204S-1R5MT	1.5±20%	9.5	24.4	30.5	17.0	20.0	100
MWSA1204S-2R2MT	2.2±20%	11.5	20.8	26.0	15.0	18.0	100
MWSA1204S-3R3MT	3.3±20%	13	16.8	21.0	13.0	15.0	100
MWSA1204S-4R7MT	4.7±20%	14.5	14.4	18.0	11.0	13.0	100
MWSA1204S-6R8MT	6.8±20%	20	11.2	14.0	8.0	9.0	100
MWSA1204S-100MT	10±20%	25	8.0	10.0	7.0	8.0	100
MWSA1204S-150MT	15±20%	39	6.0	7.5	5.8	6.5	100
MWSA1204S-220MT	22±20%	51	4.8	6.0	3.8	4.5	100

MWSA1205S 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		/
MWSA1205S-R10MT	0.10±20%	0.6	64.0	80.0	44.0	55.0	100
MWSA1205S-R22MT	0.22±20%	0.7	60.0	75.0	45.0	50.0	100
MWSA1205S-R36MT	0.36±20%	0.85	40.0	50.0	37.0	42.0	100
MWSA1205S-R50MT	0.50±20%	1.15	38.4	48.0	33.0	38.0	100
MWSA1205S-R68MT	0.68±20%	1.55	36.8	46.0	29.0	33.0	100
MWSA1205S-R82MT	0.82±20%	1.67	31.2	39.0	26.0	30.0	100
MWSA1205S-1R0MT	1.0±20%	2.2	28.0	35.0	22.0	26.0	100
MWSA1205S-1R5MT	1.5±20%	3.2	26.4	33.0	19.0	23.0	100
MWSA1205S-2R2MT	2.2±20%	5	19.2	24.0	13.0	15.0	100
MWSA1205S-3R3MT	3.3±20%	7	17.6	22.0	12.0	14.0	100
MWSA1205S-4R7MT	4.7±20%	9	16.0	20.0	11.0	13.0	100
MWSA1205S-6R8MT	6.8±20%	18	12.8	16.0	10.0	12.0	100
MWSA1205S-100MT	10±20%	22	9.6	12.0	8.0	9.0	100
MWSA1205S-150MT	15±20%	30	8.0	10.0	7.0	8.0	100
MWSA1205S-220MT	22±20%	58	5.2	6.5	3.8	4.5	100
MWSA1205S-330MT	33±20%	84	4.8	6.0	2.8	3.5	100
MWSA1205S-330MTY01	33±20%	63	4.8	6.0	2.8	3.5	100
MWSA1205S-470MT	47±20%	130	4.0	5.0	2.6	3.0	100

MWSA1206S 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		/
MWSA1206S-1R5MT	1.5±20%	2.9	27.0	30.0	23.0	27.0	100
MWSA1206S-2R2MT	2.2±20%	4.2	24.0	28.0	18.0	22.0	100
MWSA1206S-3R3MT	3.3±20%	6.8	21.0	25.0	14.0	17.0	100
MWSA1206S-4R7MT	4.7±20%	9	19.2	24.0	12.0	15.0	100
MWSA1206S-5R6MT	5.6±20%	11	18.0	22.5	11.0	13.0	100
MWSA1206S-6R8MT	6.8±20%	13.5	15.2	19.0	10.0	12.0	100
MWSA1206S-8R2MT	8.2±20%	16	10.8	13.5	9.0	11.0	100
MWSA1206S-100MT	10±20%	20.7	11.1	12.5	8.5	10.0	100
MWSA1206S-120MT	12±20%	23	8.0	10.0	7.8	9.0	100
MWSA1206S-150MT	15±20%	29	7.2	9.0	7.5	8.5	100

All information and data presented in this Catalog are for information only. You are requested to approve our product specification before your ordering.

规格特性
Specifications

MWSA1206S 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		/
MWSA1206S-180MT	18±20%	35	6.4	8.0	6.5	7.5	100
MWSA1206S-220MT	22±20%	39.5	6.0	7.5	6.0	7.0	100
MWSA1206S-270MT	27±20%	56	5.2	6.5	5.0	6.0	100
MWSA1206S-330MT	33±20%	75	4.8	6.0	4.8	5.5	100
MWSA1206S-470MT	47±20%	90	4.4	5.5	4.2	5.0	100
MWSA1206S-680MT	68±20%	140	3.6	4.5	3.2	4.0	100
MWSA1206S-101MT	100±20%	200	2.8	3.5	2.5	3.0	100
MWSA1206S-121MT	120±20%	235	2.56	3.2	1.7	2.0	100
MWSA1206S-151MT	150±20%	350	2.16	2.7	1.2	1.5	100

MWSA1265S 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		/
MWSA1265S-4R7MT	4.7±20%	8.5	19.0	24.0	12.0	16.0	100
MWSA1265S-5R6MT	5.6±20%	10.5	18.0	22.5	10.0	14.0	100
MWSA1265S-6R8MT	6.8±20%	12	15.0	19.0	9.0	13.0	100
MWSA1265S-8R2MT	8.2±20%	14	13.0	16.0	8.5	12.0	100
MWSA1265S-100MT	10±20%	16.5	12.0	15.0	7.5	11.0	100
MWSA1265S-150MT	15±20%	26	9.0	11.0	6.5	9.5	100
MWSA1265S-220MT	22±20%	36	7.5	9.0	6.0	8.0	100
MWSA1265S-330MT	33±20%	65	7.0	8.0	4.5	6.5	100
MWSA1265S-470MT	47±20%	70	5.5	6.8	4.0	5.5	100
MWSA1265S-470MTB01	47±20%	67	6.5	7.6	6.0	8.0	100
MWSA1265S-680MT	68±20%	120	4.0	5.2	3.4	4.8	100
MWSA1265S-820MT	82±20%	135	3.5	4.5	2.7	4.0	100
MWSA1265S-101MT	100±20%	170	3.2	4.0	1.8	3.5	100

MWSA1707S 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		/
MWSA1707S-1R0MT	1.0±20%	1.5	43.0	50.0	30.0	35.0	100
MWSA1707S-1R5MT	1.5±20%	2.1	35.0	40.0	29.0	33.0	100
MWSA1707S-2R2MT	2.2±20%	2.5	30.0	34.0	25.5	29.0	100
MWSA1707S-3R3MT	3.3±20%	3.95	26.0	30.0	21.0	24.0	100
MWSA1707S-4R7MT	4.7±20%	4.75	21.0	24.0	18.5	21.0	100
MWSA1707S-6R8MT	6.8±20%	7.5	19.5	22.0	15.0	17.0	100
MWSA1707S-8R2MT	8.2±20%	8.7	17.5	20.0	11.5	13.0	100
MWSA1707S-100MT	10±20%	9.9	16.5	19.0	10.5	12.0	100
MWSA1707S-150MT	15±20%	17	12.5	14.5	9.5	11.0	100
MWSA1707S-220MT	22±20%	23	10.0	11.5	7.5	8.5	100
MWSA1707S-330MT	33±20%	37	8.5	10.0	7.0	8.0	100
MWSA1707S-470MT	47±20%	47	6.5	7.5	5.3	6.0	100
MWSA1707S-560MT	56±20%	66	6.3	7.2	5.1	5.8	100
MWSA1707S-680MT	68±20%	85	5.5	6.5	4.5	5.2	100
MWSA1707S-820MT	82±20%	110	5.3	6.0	4.0	4.5	100
MWSA1707S-101MT	100±20%	130	4.4	5.0	3.2	3.7	100

规格特性
Specifications

MWSA2213S 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		/
MWSA2213S-1R0MT	1.0±20%	0.95	54.0	60.0	65.0	70.0	100
MWSA2213S-1R5MT	1.5±20%	1.15	48.0	52.0	57.0	62.0	100
MWSA2213S-2R2MT	2.2±20%	1.25	43.0	48.0	52.0	58.0	100
MWSA2213S-3R3MT	3.3±20%	1.75	37.0	41.0	47.0	49.0	100
MWSA2213S-4R7MT	4.7±20%	2.2	34.0	38.0	44.0	47.0	100
MWSA2213S-6R8MT	6.8±20%	3.1	32.0	36.0	36.0	40.0	100
MWSA2213S-7R3KT	7.3±10%	3.9	28.0	33.0	32.0	36.0	100
MWSA2213S-100MT	10±20%	4.15	20.0	28.0	30.0	33.0	100
MWSA2213S-150MT	15±20%	6.12	18.0	23.0	23.0	26.0	100
MWSA2213S-220MT	22±20%	11	14.0	15.0	18.0	22.0	100
MWSA2213S-330MT	33±20%	15.4	10.5	12.0	16.0	19.0	100
MWSA2213S-470MT	47±20%	20.8	10.0	12.0	14.0	17.0	100
MWSA2213S-680MT	68±20%	29.5	9.0	12.0	12.0	14.0	100
MWSA2213S-820MT	82±20%	34.2	7.7	9.0	10.0	12.0	100
MWSA2213S-101MT	100±20%	40	7.5	9.0	9.5	11.0	100

※1: 所有的测试数据均以 20℃环境温度为基准;
※1: All test data is referenced to 20°C ambient;

※2: 额定电流： 以 Isat 和 Irms 中更小者为准;
※2: Rated current: Isat or Irms, whichever is smaller;

※3: 饱和电流 (典型值): 通直流电使得没有通电时的感量下降 30% 左右时的电流;
※3: Isat(Typ): DC current at which the inductance drops approximate 30% from its value without current;

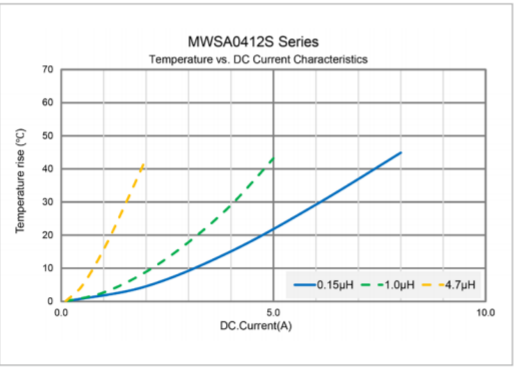
※4: 饱和电流 (最大值): 通直流电使得没有通电时的感量下降 30% 左右时的电流;
※4: Isat(Max): DC current at which the inductance drops approximate 30% from its value without current;

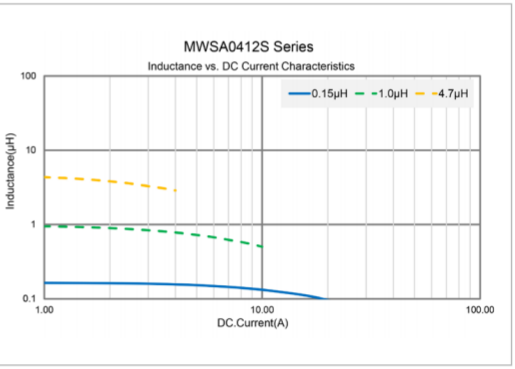
※5: 温升电流 (典型值): 使得温度从 20℃环境温度升高 (ΔT=40℃) 的直流电流;
※5: Irms(Typ): DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient;

※6: 温升电流 (最大值): 使得温度从 20℃环境温度升高 (ΔT=20℃) 的直流电流。
※6: Irms(Max): DC current that causes the temperature rise (ΔT=20°C) from 20°C ambient.

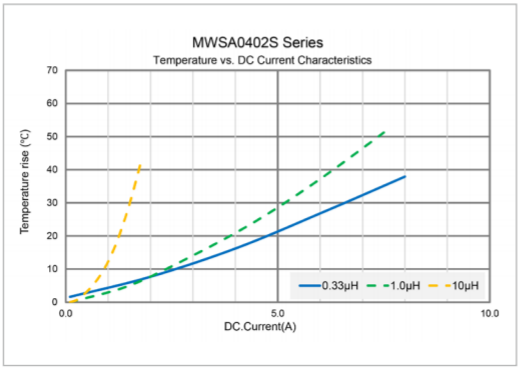
电气特性
Typical Electrical Characteristics

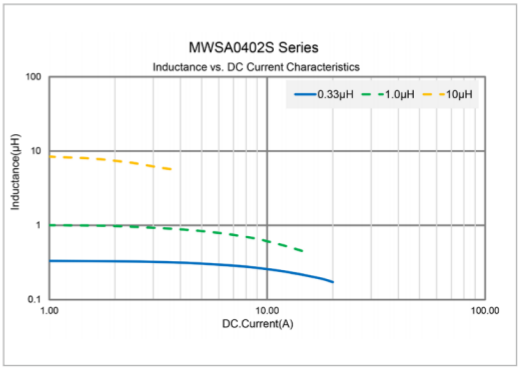
MWSA0412S Series





MWSA0402S Series

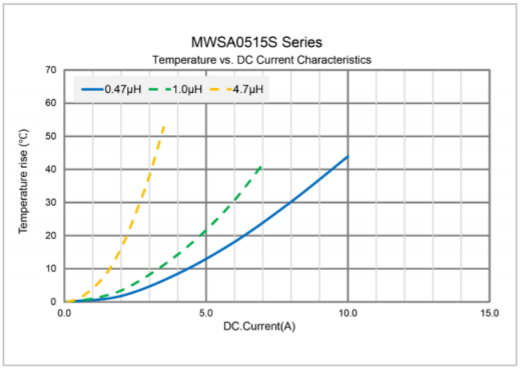


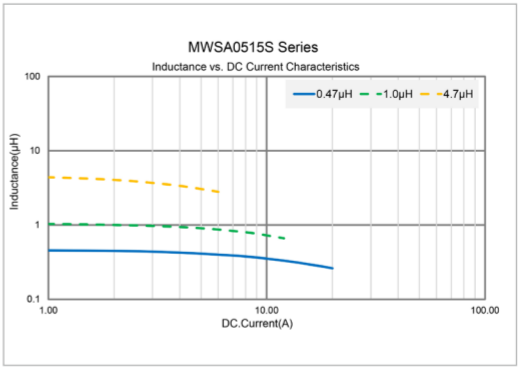


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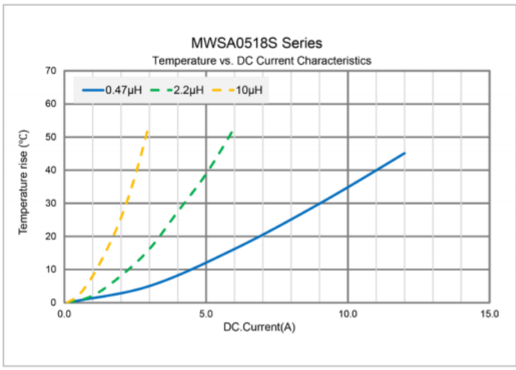
电气特性
Typical Electrical Characteristics

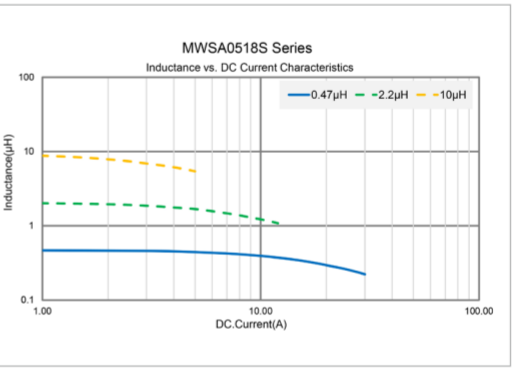
MWSA0515S Series



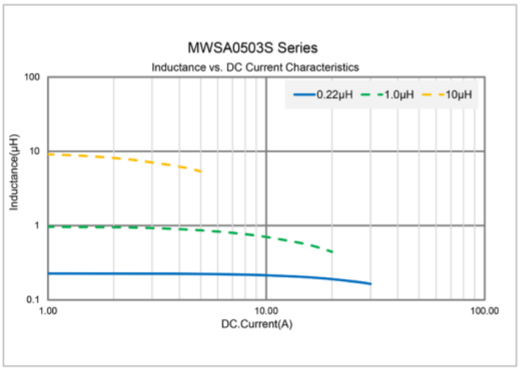


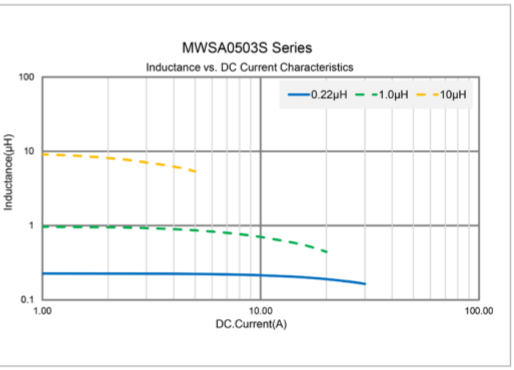
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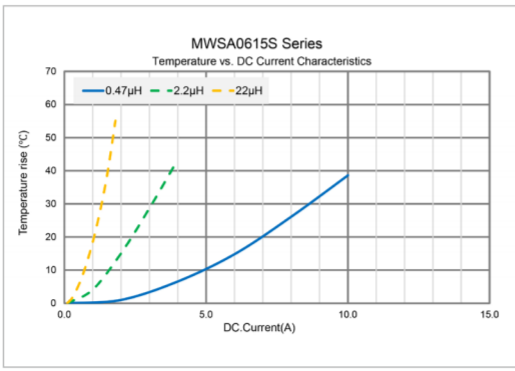


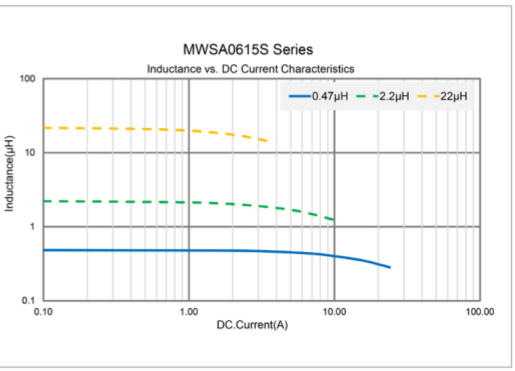
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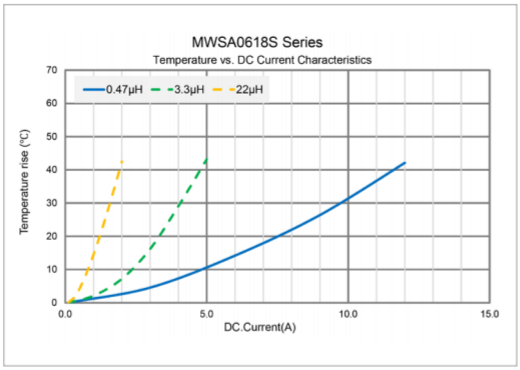
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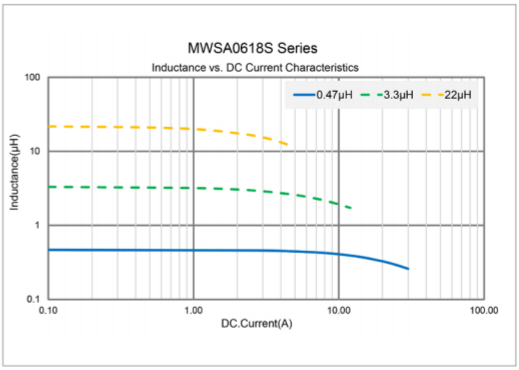




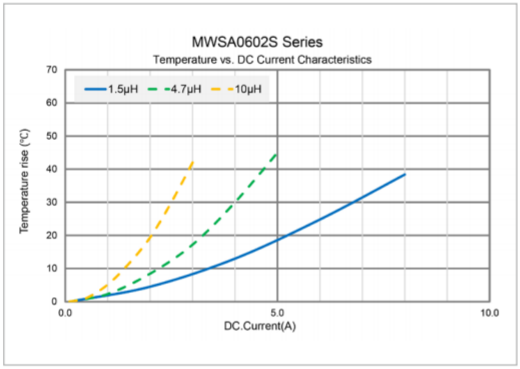
电气特性
Typical Electrical Characteristics

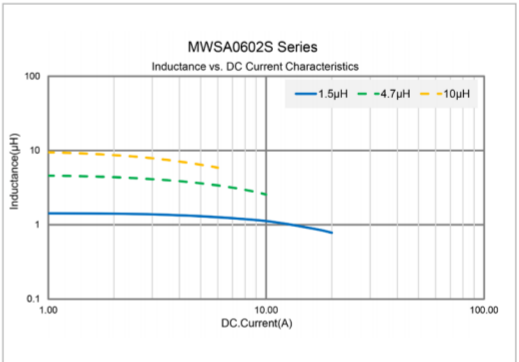
MWSA0618S Series



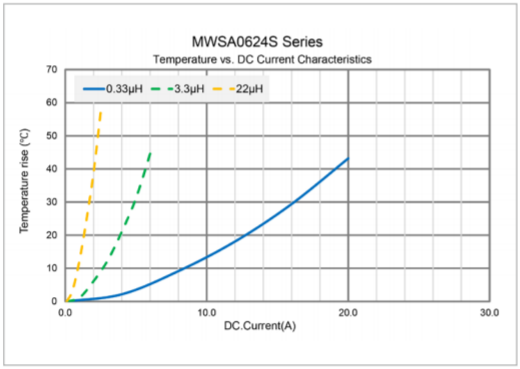


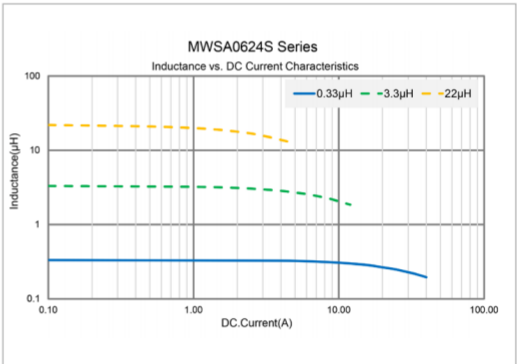
MWSA0602S Series



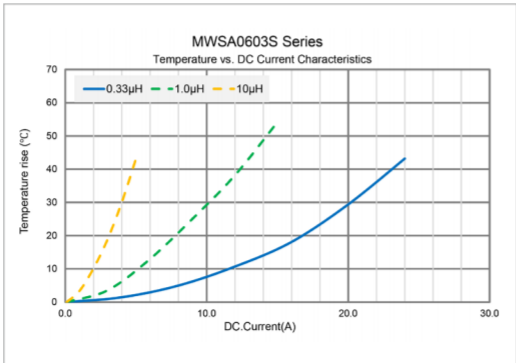


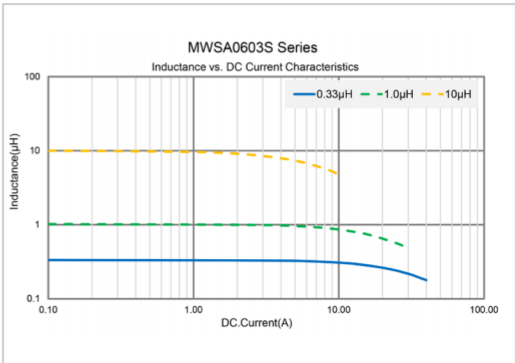
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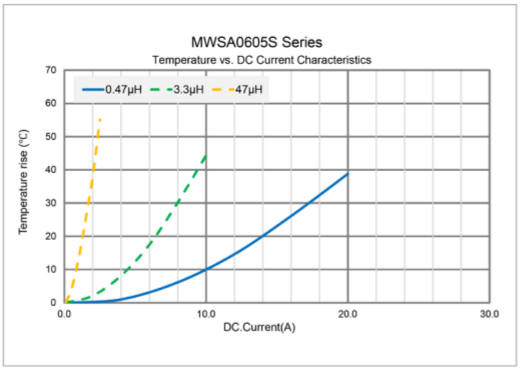
MWSA0603S Series

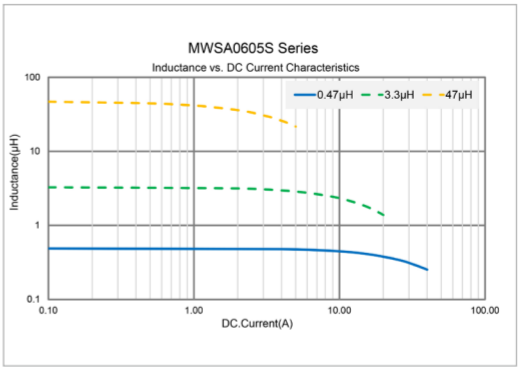




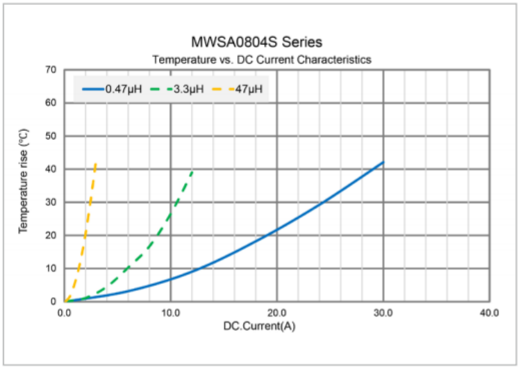
电气特性
Typical Electrical Characteristics

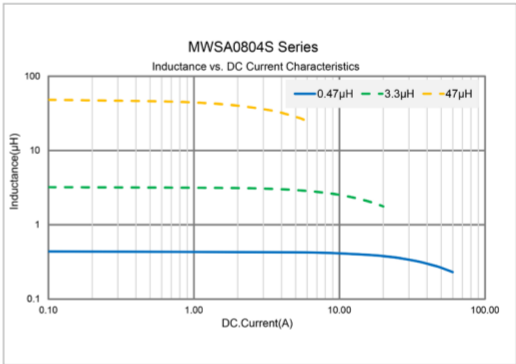
MWSA0605S Series



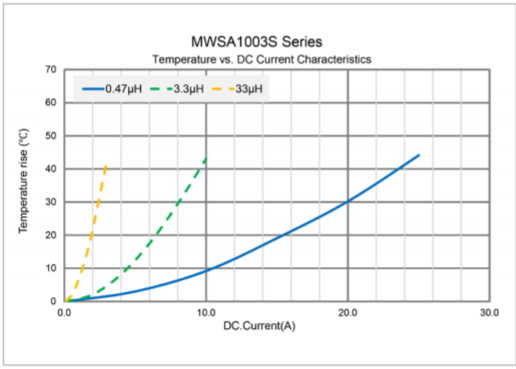


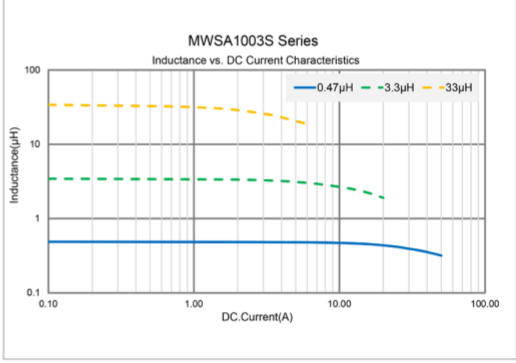
MWSA0804S Series



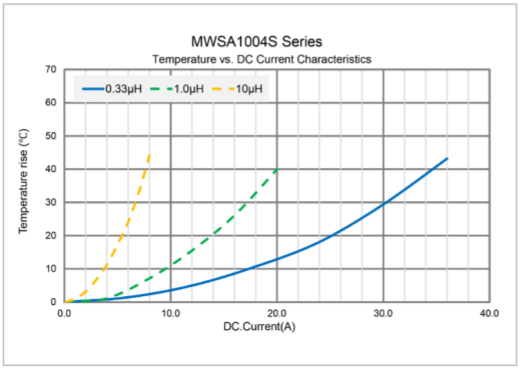


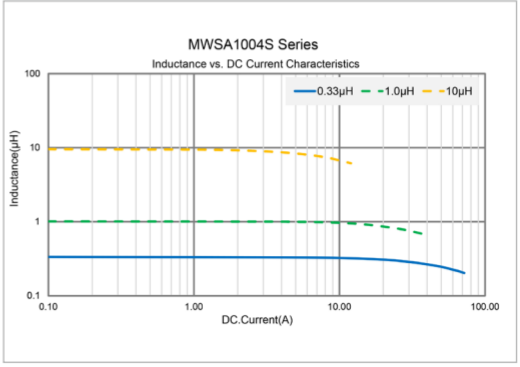
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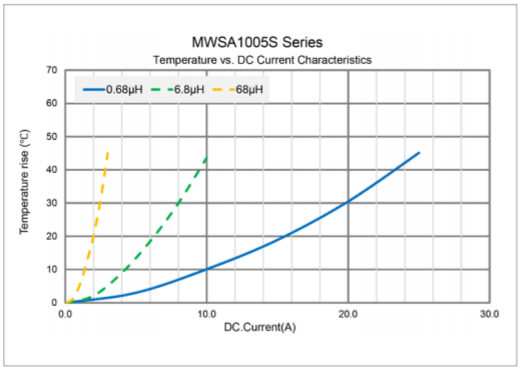
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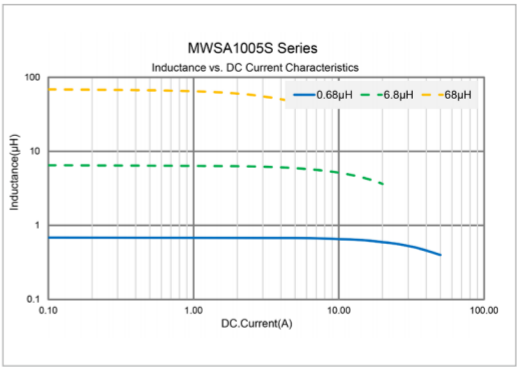




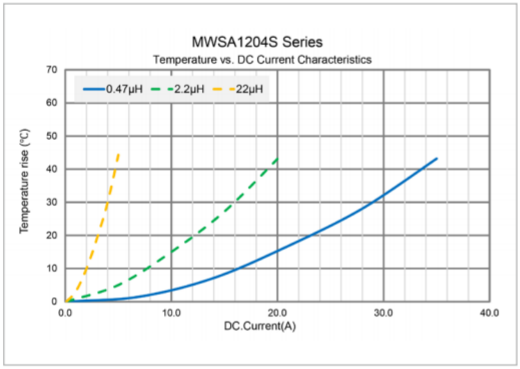
电气特性
Typical Electrical Characteristics

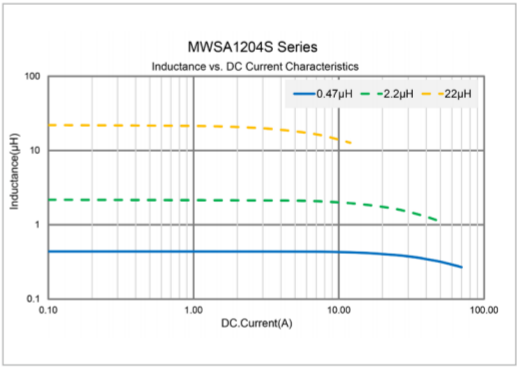
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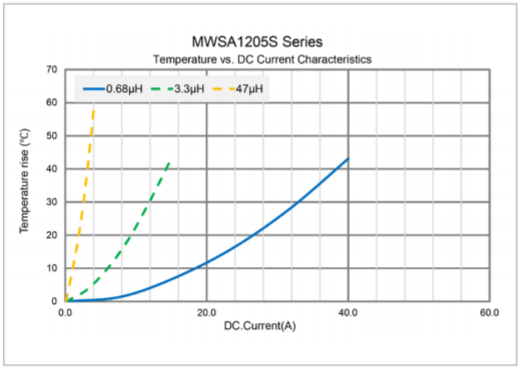


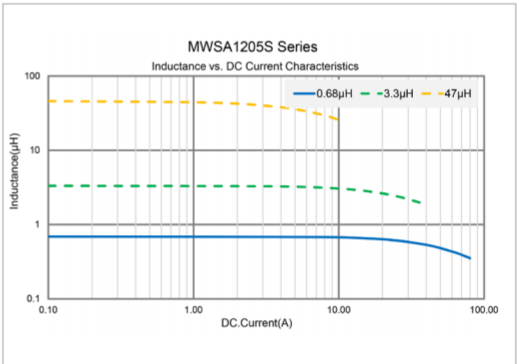
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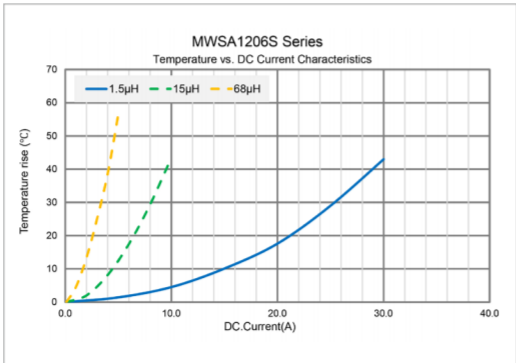


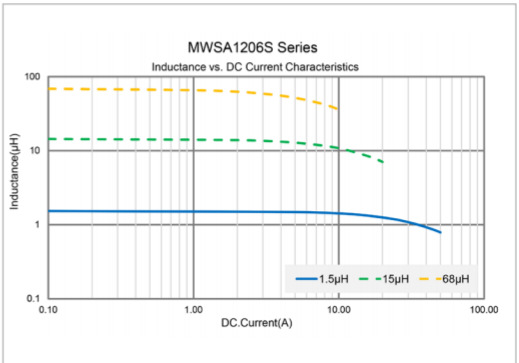
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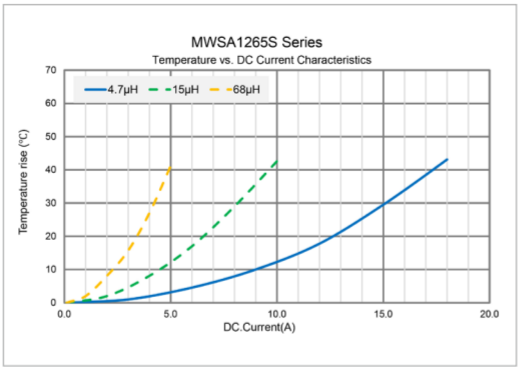


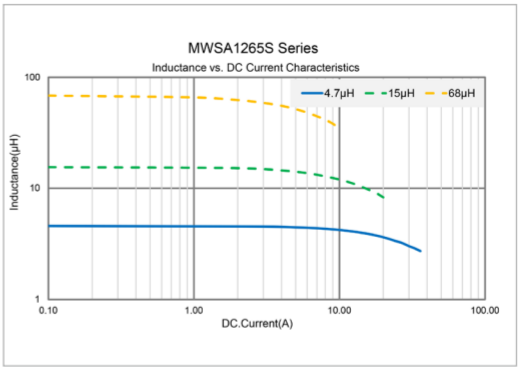


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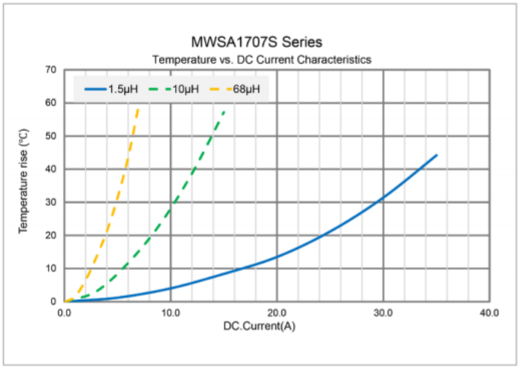
电气特性
Typical Electrical Characteristics

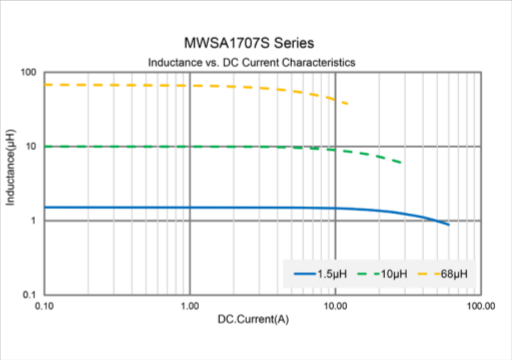
MWSA1265S Series





MWSA1707S Series





MWSA2213S Series

