

扁平线圈大电流电感—MWFC-S 系列

T-Core Flat Coil High Current Inductor – MWFC-S Series



工作温度
Operating Temp

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

特征 Features

- ◆ 铁合金材料，高饱和电流，低损耗，低 DCR
- ◆ 低噪声，磁屏蔽效果好
- ◆ 寄生电容小
- ◆ 无卤，符合 RoHS 标准
- ◆ Metal material for large current and low loss, low DCR
- ◆ Low buzz noise, good magnetic shield performance
- ◆ Small parasitic capacitance
- ◆ Halogen free, RoHS compliant

用途 Applications

- ◆ 5G 通讯
- ◆ 物联网
- ◆ 安防设备
- ◆ 5G Communications
- ◆ Internet of Things
- ◆ Security device

产品型号 Product Identification

1	2	3	4	5	6
MWFC	0402S	XXX	□	T	□□□

1	分类 Type
MWFC	扁平线圈大电流电感 T-Core Flat Coil High Current Inductor

2	外形尺寸 (L×W×H) [mm] External Dimensions (L×W×H) [mm]
0402	4.1×4.1×1.9
0403	4.1×4.1×2.8
0502	5.5×5.3×1.9
0503	5.5×5.3×2.9
0505	5.5×5.3×4.8
0603	6.6×6.4×2.8/2.9
0605	6.6×6.4×4.8
0606	6.6×6.4×5.8
0702	7.8×7.6×1.85
0703	7.8×7.6×2.9
0707	7.8×7.6×6.7
0808	8.9×8.5×7.7
1031	11.9×11.0×2.9
1006	11.9×11.0×5.7
1010	11.9×11.0×9.7
1507	16.5×15.5×6.7
1508	16.5×15.5×7.7
1510	16.5×15.5×9.7
1513	16.5×15.5×12.7

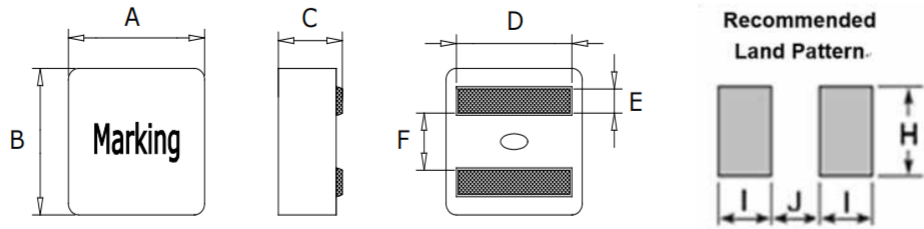
3	公称感量 Nominal Inductance [μH]
Example	Nominal Value [μH]
1R0	1.0μH
1R5	1.5μH

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



Unit: mm

Series	A	B	C	D	E	F	I Typ.	J Typ.	H Typ.
MWFC0402S	4.2±0.2	4.2±0.2	1.9±0.2	3.4±0.3	0.88±0.3	1.7±0.3	1.0	1.4	3.8
MWFC0403S	4.2±0.25	4.2±0.25	2.8±0.2	3.4±0.3	0.88±0.3	1.7±0.3	1.0	1.4	3.8
MWFC0502S	5.6±0.2	5.4±0.2	1.9±0.2	4.5±0.3	1.1±0.3	2.3±0.3	1.25	2.0	4.7
MWFC0503S	5.6±0.2	5.4±0.2	2.9±0.2	4.5±0.3	1.1±0.3	2.3±0.3	1.25	2.0	4.7
MWFC0505S	5.6±0.2	5.4±0.2	4.8±0.2	4.5±0.3	1.1±0.3	2.3±0.3	1.25	2.0	4.7
MWFC0603S	6.6±0.2	6.4±0.2	2.8±0.2 (L ≤ 1.2μH)	5.4±0.3	1.5±0.3	2.6±0.3	1.55	2.5	5.6
			2.9±0.2 (L ≥ 1.5μH)						
MWFC0605S	6.6±0.2	6.4±0.2	4.8±0.2	5.4±0.3	1.5±0.3	2.6±0.3	1.55	2.5	5.6
MWFC0606S	6.6±0.2	6.4±0.2	5.8±0.2	5.4±0.3	1.5±0.3	2.6±0.3	1.55	2.5	5.6
MWFC0702S	7.8±0.25	7.6±0.2	1.85±0.2	6.3±0.3	1.75±0.3	3.15±0.3	2.3	2.8	7.2
MWFC0703S	7.8±0.25	7.6±0.2	2.9±0.2	6.3±0.3	1.75±0.3	3.15±0.3	2.3	2.8	7.2
MWFC0707S	7.8±0.25	7.6±0.2	6.7±0.3	6.3±0.3	1.75±0.3	3.15±0.3	2.3	2.8	7.2
MWFC0808S	8.9±0.3	8.5±0.3	7.7±0.3	7.2±0.3 (L ≤ 2.2μH)	1.7±0.3	3.5±0.5	2.65	2.7	7.8
				6.8±0.3 (L ≥ 3.3μH)					
MWFC1031S	11.9±0.3	11.0±0.3	2.9±0.2	9.5±0.5	2.3±0.3	4.4±0.5	3.4	3.7	11
MWFC1006S	11.9±0.3	11.0±0.3	5.7±0.3	9.5±0.5	2.3±0.3	4.5±0.5	3.4	3.7	11
MWFC1010S	11.9±0.3	11.0±0.3	9.7±0.3	9.5±0.5	2.3±0.3	4.4±0.5	3.4	3.7	11
MWFC1507S	16.5±0.3	15.5±0.3	6.7±0.3	13.5±0.5	3.0±0.3	7.0±0.5	4.5	6.0	15
MWFC1508S	16.5±0.3	15.5±0.3	7.7±0.3	13.5±0.5	3.0±0.3	7.0±0.5	4.5	6.0	15
MWFC1510S	16.5±0.3	15.5±0.3	9.7±0.3	13.5±0.5	3.0±0.3	7.0±0.5	4.5	6.0	15
MWFC1513S	16.5±0.3	15.5±0.3	12.7±0.3	13.5±0.5	3.0±0.3	7.0±0.5	4.5	6.0	15

规格特性 Specifications

MWFC0402S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0402S-R10MT	0.10±20%	2.5	2.14	33.0	37.8	13.5	18.0	40
MWFC0402S-R22MT	0.22±20%	4.6	4	18.8	19.5	13.0	16.8	40
MWFC0402S-R36MT	0.36±20%	6.5	5.5	14.5	16.5	11.0	14.5	40
MWFC0402S-R40MT	0.40±20%	7.73	6.8	13.5	15.5	10.0	14.0	40
MWFC0402S-R47MT	0.47±20%	8.58	7.8	12.7	14.2	9.0	12.5	40
MWFC0402S-R56MT	0.56±20%	9.3	8.2	12.6	14.0	8.5	12.0	40
MWFC0402S-R60MT	0.60±20%	9.52	8.4	12.3	13.7	8.0	11.7	40
MWFC0402S-R72MT	0.72±20%	11.9	10.2	10.6	12.0	7.6	10.5	40
MWFC0402S-1R0MT	1.0±20%	14.6	13	8.8	9.6	6.8	9.6	40
MWFC0402S-1R2MT	1.2±20%	17.9	15.8	7.8	9.0	6.6	9.0	40
MWFC0402S-1R5MT	1.5±20%	23.8	20.8	7.4	7.8	5.8	7.6	40
MWFC0402S-1R8MT	1.8±20%	28	24.7	7.0	7.5	5.2	7.0	40
MWFC0402S-2R2MT	2.2±20%	38.7	34.2	6.0	6.5	4.6	5.6	40

规格特性
Specifications

MWFC0403S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0403S-R47MT	0.47±20%	7.26	6.4	15.0	17.0	10.0	14.0	40
MWFC0403S-R90MT	0.90±20%	10.1	8.9	9.0	10.0	8.2	11.2	40
MWFC0403S-1R0MT	1.0±20%	10.1	8.9	9.2	9.8	8.0	11.0	40
MWFC0403S-1R2MT	1.2±20%	11.5	10.1	8.7	9.2	7.8	9.8	40
MWFC0403S-1R5MT	1.5±20%	13.2	11.6	7.0	8.0	7.0	9.0	40
MWFC0403S-2R2MT	2.2±20%	22.6	20	6.1	7.0	6.0	7.8	40
MWFC0403S-3R3MT	3.3±20%	28.6	25.3	5.3	6.2	5.0	6.6	40
MWFC0403S-4R7MT	4.7±20%	44.1	38.8	4.0	4.5	3.9	5.1	40
MWFC0403S-6R8MT	6.8±20%	74.1	65.2	3.0	3.6	3.0	3.9	40

MWFC0502S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0502S-R15MT	0.15±20%	4.6	4	27.0	30.0	13.9	18.8	40
MWFC0502S-R16MT	0.16±20%	4.6	4	27.0	30.0	13.9	18.8	40
MWFC0502S-R33MT	0.33±20%	7.3	6.2	23.0	24.5	10.5	14.4	40
MWFC0502S-R47MT	0.47±20%	8.05	7.1	20.0	22.0	10.1	14.1	40
MWFC0502S-R56MT	0.56±20%	9.54	8.4	16.0	19.0	9.9	13.9	40
MWFC0502S-R68MT	0.68±20%	10.2	9	14.0	16.0	9.6	13.4	40
MWFC0502S-R80MT	0.80±20%	11.8	10.4	13.5	15.5	9.4	13.0	40
MWFC0502S-R82MT	0.82±20%	12.7	11.2	13.0	15.0	8.5	12.0	40
MWFC0502S-1R0MT	1.0±20%	13.8	12.2	12.8	14.5	7.5	10.5	40
MWFC0502S-1R2MT	1.2±20%	16.3	14.4	12.2	14.0	6.8	9.4	40
MWFC0502S-1R5MT	1.5±20%	18.7	16.5	10.5	11.5	6.4	8.8	40

MWFC0503S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0503S-R15MT	0.15±20%	2.31	2.04	32.5	36.0	14.3	22.2	40
MWFC0503S-R16MT	0.16±20%	2.33	2.06	32.0	35.0	14.2	22.2	40
MWFC0503S-R47MT	0.47±20%	4.13	3.65	24.0	26.0	13.7	18.4	40
MWFC0503S-R56MT	0.56±20%	4.52	4	20.2	22.2	13.6	17.7	40
MWFC0503S-R60MT	0.60±20%	4.52	4	19.5	21.0	13.6	17.7	40
MWFC0503S-R80MT	0.80±20%	5.65	5	18.0	20.0	10.1	13.1	40
MWFC0503S-R82MT	0.82±20%	5.78	5.11	17.6	19.7	9.9	12.9	40
MWFC0503S-1R0MT	1.0±20%	7.6	6.7	14.3	16.5	9.0	12.2	40
MWFC0503S-1R2MT	1.2±20%	9.7	8.5	13.5	15.0	8.5	11.0	40
MWFC0503S-1R5MT	1.5±20%	11.2	9.9	12.5	14.0	8.0	10.5	40
MWFC0503S-1R8MT	1.8±20%	12.7	11.2	11.3	12.3	7.6	10.1	40
MWFC0503S-2R2MT	2.2±20%	14.5	12.8	9.0	10.0	7.2	9.7	40
MWFC0503S-3R3MT	3.3±20%	23.1	20.4	8.7	9.5	5.9	8.1	40
MWFC0503S-4R7MT	4.7±20%	36.3	32.1	7.0	8.2	4.3	5.9	40

规格特性 Specifications

MWFC0505S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0505S-5R6MT	5.6±20%	24.2	21.4	7.2	8.6	5.3	7.2	40
MWFC0505S-6R8MT	6.8±20%	28.6	25.3	6.6	7.8	4.8	6.4	40
MWFC0505S-8R2MT	8.2±20%	32.5	29.55	6.1	7.2	4.6	6.1	40
MWFC0505S-100MT	10±20%	43	39.1	5.4	6.5	3.8	5.0	40

MWFC0603S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0603S-R18MT	0.18±20%	1.75	1.54	36.0	40.0	24.0	32.0	40
MWFC0603S-R28MT	0.28±20%	2.4	2.12	28.0	32.5	20.5	25.5	40
MWFC0603S-R33MT	0.33±20%	2.5	2.21	28.0	32.0	20.0	25.0	40
MWFC0603S-R47MT	0.47±20%	2.7	2.2	18.7	26.5	18.1	25.0	40
MWFC0603S-R56MT	0.56±20%	3.31	2.92	24.5	28.0	17.0	22.0	40
MWFC0603S-R68MT	0.68±20%	5.17	4.57	21.0	25.0	15.0	20.0	40
MWFC0603S-R68MTY01	0.68±20%	3.5	2.9	15.3	22.0	15.8	22.5	40
MWFC0603S-1R0MT	1.0±20%	6.05	5.35	18.0	23.0	13.0	18.0	40
MWFC0603S-1R2MT	1.2±20%	7.4	6.54	16.0	22.0	12.0	16.0	40
MWFC0603S-1R5MT	1.5±20%	9.13	8	15.5	20.0	11.0	15.0	40
MWFC0603S-1R8MT	1.8±20%	10.2	9	13.0	14.2	10.0	14.0	40
MWFC0603S-2R2MT	2.2±20%	12.2	10.7	11.0	15.9	7.0	10.0	40
MWFC0603S-3R3MT	3.3±20%	20.8	18.4	9.0	12.2	6.0	8.0	40
MWFC0603S-4R5MT	4.5±20%	25.3	22.4	8.0	9.0	5.0	7.0	40

MWFC0605S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0605S-R82MT	0.82±20%	4.18	3.7	20.0	24.0	16.0	21.0	40
MWFC0605S-1R0MT	1.0±20%	4.52	4	18.0	23.0	15.0	20.0	40
MWFC0605S-1R2MT	1.2±20%	5.83	5.1	16.0	21.0	14.0	18.0	40
MWFC0605S-1R5MT	1.5±20%	6.3	5.5	14.5	19.5	13.0	17.0	40
MWFC0605S-1R8MT	1.8±20%	7.1	6.2	13.5	18.5	12.0	16.0	40
MWFC0605S-2R2MT	2.2±20%	8.5	7.5	12.0	16.0	10.0	13.0	40
MWFC0605S-3R3MT	3.3±20%	12.5	11	10.0	12.5	8.5	11.0	40
MWFC0605S-4R3MT	4.3±20%	16.2	14.3	8.5	11.0	7.0	9.0	40
MWFC0605S-4R7MT	4.7±20%	18.4	16.2	8.0	10.5	6.5	8.5	40
MWFC0605S-6R8MT	6.8±20%	25.4	22.5	6.2	7.0	5.0	6.6	40

规格特性
Specifications

MWFC0606S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0606S-1R0MT	1.0±20%	4.4	3.89	19.0	24.0	16.0	21.0	40
MWFC0606S-1R5MT	1.5±20%	6.1	5.39	15.0	20.0	13.5	17.5	40
MWFC0606S-2R2MT	2.2±20%	8.1	7.16	12.5	16.5	11.0	14.0	40
MWFC0606S-3R3MT	3.3±20%	12.3	10.88	11.0	13.0	9.0	12.0	40
MWFC0606S-4R7MT	4.7±20%	14.4	13.1	9.3	10.5	8.5	11.0	40
MWFC0606S-5R6MT	5.6±20%	15.9	14.46	8.7	9.9	7.6	10.0	40
MWFC0606S-6R8MT	6.8±20%	20.8	18.9	8.1	9.2	7.0	9.0	40
MWFC0606S-8R2MT	8.2±20%	26.4	23.3	8.0	8.4	6.0	8.0	40
MWFC0606S-100MT	10±20%	29.82	26.5	6.8	7.6	5.0	7.0	40
MWFC0606S-150MT	15±20%	43.75	38.7	5.0	5.8	4.5	6.0	40
MWFC0606S-220MT	22±20%	60.63	53.6	4.8	5.6	3.8	5.0	40

MWFC0702S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0702S-R27MT	0.27±20%	3.5	3.1	32.0	35.0	16.0	21.0	40
MWFC0702S-R31MT	0.31±20%	4.8	4.2	31.0	34.0	14.0	20.0	40
MWFC0702S-R33MT	0.33±20%	4.8	4.2	31.0	34.0	13.0	19.0	40
MWFC0702S-R47MT	0.47±20%	6.2	5.5	25.0	28.0	12.0	17.0	40
MWFC0702S-R68MT	0.68±20%	9.2	8.1	23.0	25.0	10.0	13.0	40
MWFC0702S-1R0MT	1.0±20%	10.8	9.5	20.0	23.0	8.0	11.0	40

MWFC0703S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0703S-1R0MT	1.0±20%	5	4.5	28.0	30.0	16.1	21.8	40
MWFC0703S-1R5MT	1.5±20%	8.25	7.3	23.5	25.0	12.0	15.3	40
MWFC0703S-2R2MT	2.2±20%	13.7	12.1	17.0	19.0	10.0	13.0	40
MWFC0703S-2R7MT	2.7±20%	15.4	13.6	13.5	16.0	9.2	11.4	40
MWFC0703S-3R3MT	3.3±20%	18	15.9	13.0	15.0	8.0	10.0	40
MWFC0703S-4R7MT	4.7±20%	26.7	23.6	12.0	13.0	6.9	9.0	40
MWFC0703S-5R6MT	5.6±20%	33.2	28.1	11.5	12.5	5.3	7.3	40
MWFC0703S-6R8MT	6.8±20%	42.5	37.6	11.0	12.0	4.5	6.8	40
MWFC0703S-8R2MT	8.2±20%	48.73	43	9.0	10.2	3.0	5.9	40

规格特性 Specifications

MWFC0707S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0707S-R80MT	0.8±20%	2.29	2.1	34.0	37.8	20.8	25.8	40
MWFC0707S-1R0MT	1.0±20%	2.81	2.48	31.8	34.8	20.0	25.0	40
MWFC0707S-1R8MT	1.8±20%	4.46	3.94	23.0	25.0	15.8	21.0	40
MWFC0707S-2R2MT	2.2±20%	6.33	5.6	17.6	19.6	13.2	17.8	40
MWFC0707S-3R3MT	3.3±20%	9.42	8.3	15.1	19.4	11.5	15.1	40
MWFC0707S-4R7MT	4.7±20%	13.5	11.9	13.5	15.2	10.5	13.6	40
MWFC0707S-5R6MT	5.6±20%	14.0	12.3	11.5	12.0	10.0	11.5	40
MWFC0707S-6R8MT	6.8±20%	19.6	17.3	11.0	12.8	7.0	9.5	40

MWFC0808S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC0808S-1R8MT	1.8±20%	4	3.5	24.0	28.0	18.0	24.0	40
MWFC0808S-2R2MT	2.2±20%	4.3	3.8	22.0	25.0	16.0	21.5	40
MWFC0808S-3R3MT	3.3±20%	7.3	6.5	20.0	23.0	13.5	18.0	40
MWFC0808S-4R7MT	4.7±20%	9.8	8.6	15.0	16.5	10.5	14.6	40
MWFC0808S-6R8MT	6.8±20%	14.3	12.6	12.5	14.5	8.0	11.3	40
MWFC0808S-100MT	10±20%	22.9	20.2	10.0	11.0	6.6	8.7	40

MWFC1031S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC1031S-R28MT	0.28±20%	1.6	1.4	58.0	65.0	25.5	35.0	40
MWFC1031S-R56MT	0.56±20%	2.75	2.4	39.0	44.0	23.0	32.0	40
MWFC1031S-R82MT	0.82±20%	4.1	3.6	32.0	38.0	18.0	25.0	40
MWFC1031S-R90MT	0.90±20%	4.2	3.5	31.0	36.0	17.0	24.0	40
MWFC1031S-1R0MT	1.0±20%	4.95	4.3	30.0	35.0	16.0	23.0	40
MWFC1031S-1R5MT	1.5±20%	6.6	5.8	25.0	30.0	12.0	18.0	40

MWFC1006S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC1006S-R68MT	0.68±20%	1.5	1.32	50.0	55.0	22.5	34.0	40
MWFC1006S-1R0MT	1.0±20%	2.32	2.05	44.0	48.0	20.0	28.5	40
MWFC1006S-1R2MT	1.2±20%	2.64	2.33	40.0	45.0	18.0	26.5	40
MWFC1006S-1R5MT	1.5±20%	3.3	3	36.0	40.0	16.0	24.5	40
MWFC1006S-2R2MT	2.2±20%	4.84	4.28	30.0	35.0	14.0	20.0	40
MWFC1006S-3R3MT	3.3±20%	7.7	6.8	25.0	28.0	11.4	16.8	40
MWFC1006S-4R7MT	4.7±20%	10.72	9.48	22.0	25.0	8.70	14.0	40

规格特性
Specifications

MWFC1010S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC1010S-1R0MT	1.0±20%	1.2	1.1	44.0	50.0	35.4	40.0	40
MWFC1010S-2R2MT	2.2±20%	2.8	2.3	29.0	34.0	24.5	32.0	40
MWFC1010S-3R3MT	3.3±20%	4.1	3.6	23.4	27.4	18.2	25.0	40
MWFC1010S-4R7MT	4.7±20%	5.7	5	21.4	25.4	17.5	24.0	40
MWFC1010S-5R6MT	5.6±20%	7.2	6.3	19.6	23.6	15.7	21.2	40
MWFC1010S-6R8MT	6.8±20%	8.9	7.8	18.5	21.8	14.0	18.5	40
MWFC1010S-8R2MT	8.2±20%	12.4	11	16.3	18.3	12.9	17.1	40
MWFC1010S-100MT	10±20%	13.75	12.1	14.6	17.5	11.5	15.5	40
MWFC1010S-150MT	15±20%	19.3	17	12.5	15.0	9.9	13.8	40

MWFC1507S 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.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC1507S-5R3MT	5.3±20%	5.34	4.7	30.0	34.0	19.0	25.0	40
MWFC1507S-8R2MT	8.2±20%	7.9	7	20.0	24.0	13.0	18.0	40
MWFC1507S-100MT	10±20%	9	8	18.0	22.0	10.0	16.0	40

MWFC1508S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC1508S-2R0MT	2.0±20%	2.21	1.95	52.0	57.0	29.5	40.0	40
MWFC1508S-2R2MT	2.2±20%	2.48	2.2	49.0	55.0	28.0	37.0	40
MWFC1508S-3R0MT	3.0±20%	3	2.65	41.0	46.0	26.0	34.5	40
MWFC1508S-4R2MT	4.2±20%	4.68	4.14	33.0	38.0	20.5	27.0	40
MWFC1508S-5R3MT	5.3±20%	5.34	4.72	31.0	35.0	19.5	26.0	40
MWFC1508S-6R2MT	6.2±20%	6.5	5.75	31.0	34.0	17.0	23.0	40
MWFC1508S-7R2MT	7.2±20%	7.2	6.37	29.0	32.0	15.0	21.0	40
MWFC1508S-8R2MT	8.2±20%	7.92	7	25.0	28.0	13.0	19.0	40
MWFC1508S-100MT	10±20%	9.6	8.49	21.0	24.0	11.0	16.0	40
MWFC1508S-150MT	15±20%	15	13.27	18.0	21.0	10.0	13.0	40
MWFC1508S-220MT	22±20%	23.2	20.53	16.0	19.0	9.0	12.0	40

MWFC1510S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC1510S-4R7MT	4.7±20%	3.8	3.5	39.0	43.0	22.0	30.0	40
MWFC1510S-5R6MT	5.6±20%	4.2	3.7	34.0	38.0	21.0	28.0	40
MWFC1510S-6R8MT	6.8±20%	4.6	4.1	31.0	36.0	20.0	26.0	40
MWFC1510S-8R2MT	8.2±20%	7.2	6	28.0	32.0	19.0	25.0	40
MWFC1510S-100MT	10±20%	8.6	6.8	23.5	26.5	16.0	22.0	40
MWFC1510S-150MT	15±20%	11.5	10.2	18.0	20.0	14.0	18.0	40
MWFC1510S-220MT	22±20%	15.8	13.9	16.0	18.0	10.5	14.2	40
MWFC1510S-240MT	24±20%	15.8	13.9	16.0	18.0	10.5	14.2	40
MWFC1510S-330MT	33±20%	20	17.7	14.0	16.7	8.6	12.3	40

规格特性 Specifications

MWFC1513S 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,0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
单位 Units	μH	mΩ		A		A		V
符号 Symbol	L	DCR		Isat		Irms		/
MWFC1513S-4R7MT	4.7±20%	3.3	2.9	40.0	44.0	23.0	31.0	40
MWFC1513S-5R6MT	5.6±20%	3.9	3.4	35.0	40.0	22.0	29.0	40
MWFC1513S-6R8MT	6.8±20%	4.2	3.7	32.0	37.0	21.0	27.0	40
MWFC1513S-8R2MT	8.2±20%	5.74	5	29.0	33.0	20.0	26.0	40
MWFC1513S-100MT	10±20%	7	6.2	27.0	30.0	19.0	25.0	40
MWFC1513S-150MT	15±20%	7.5	6.6	21.0	25.5	16.0	22.0	40
MWFC1513S-220MT	22±20%	13.86	12.3	19.0	22.0	12.0	17.0	40
MWFC1513S-330MT	33±20%	22.2	19.6	16.0	19.0	9.0	14.0	40

※1: 额定电流：以 Isat 和 Irms 中更小者为准;

※1: Rated current: Isat or Irms, whichever is smaller;

※2: 饱和电流：通直流电使得没有通电时的感量下降 35% 左右的电流;

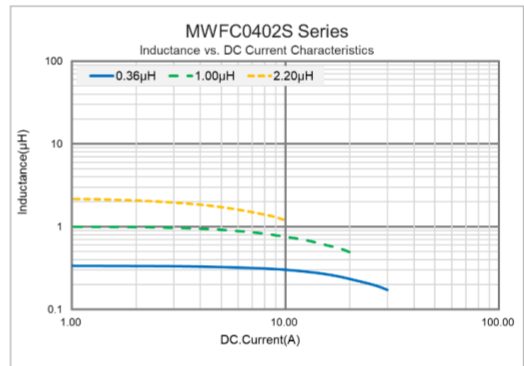
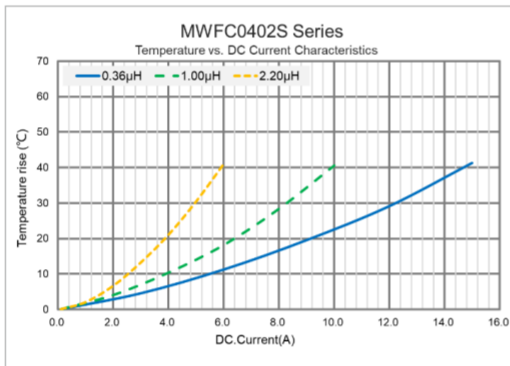
※2: Isat: DC current at which the inductance drops approximate 35% from its value without current;

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

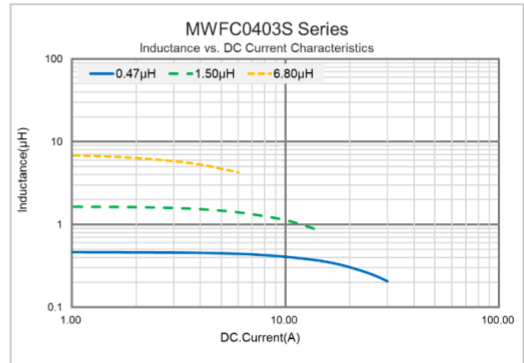
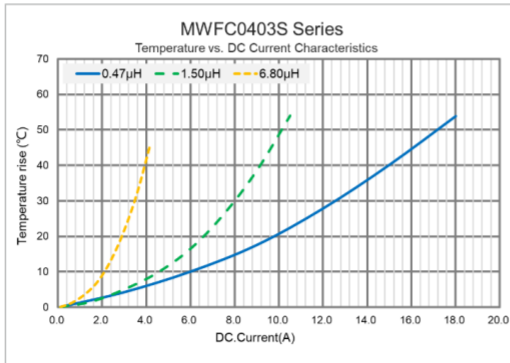
※3: Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient;

电气特性 Typical Electrical Characteristics

MWFC0402S Series



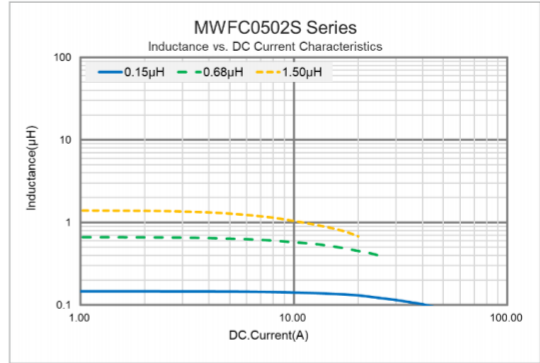
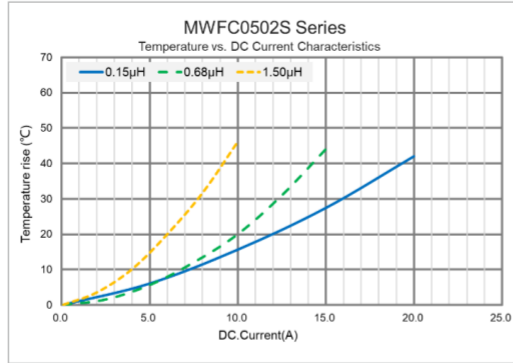
MWFC0403S Series



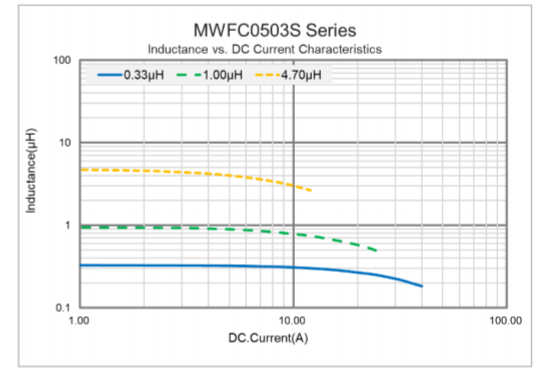
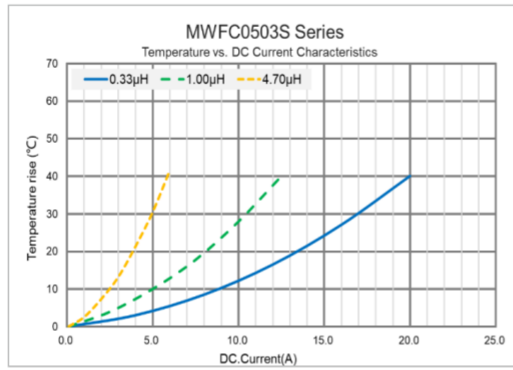
电气特性

Typical Electrical Characteristics

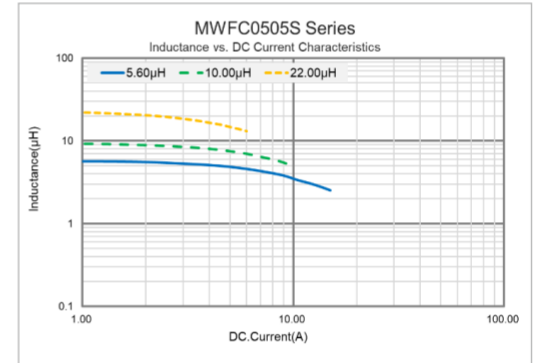
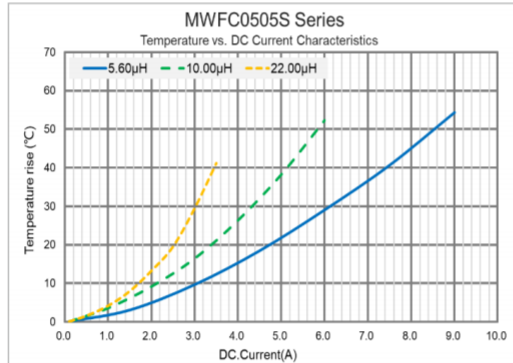
MWFC0502S Series



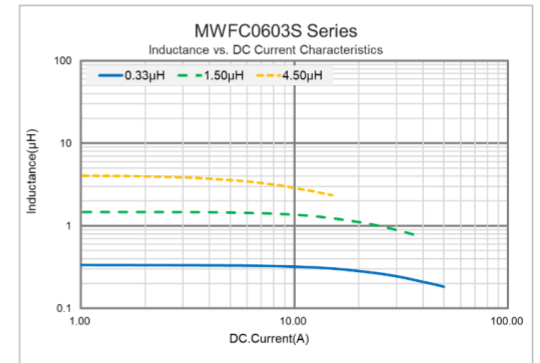
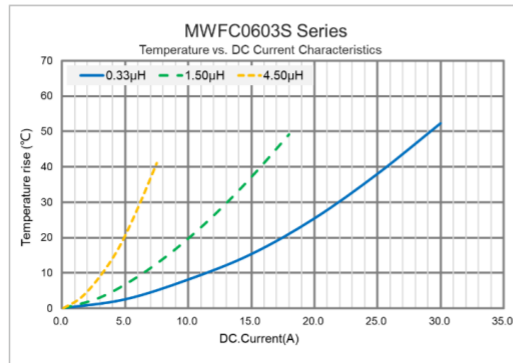
MWFC0503S Series



MWFC0505S Series



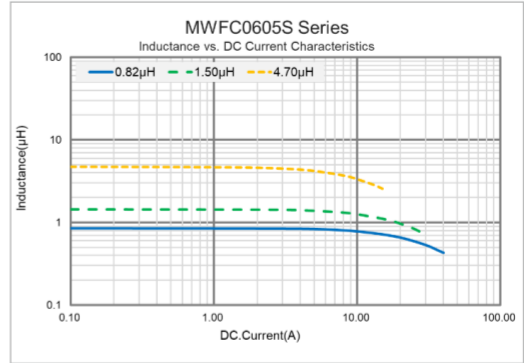
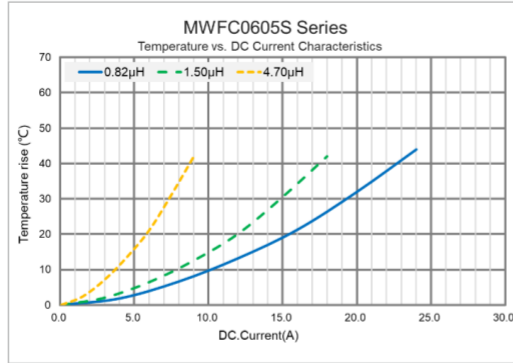
MWFC0603S Series



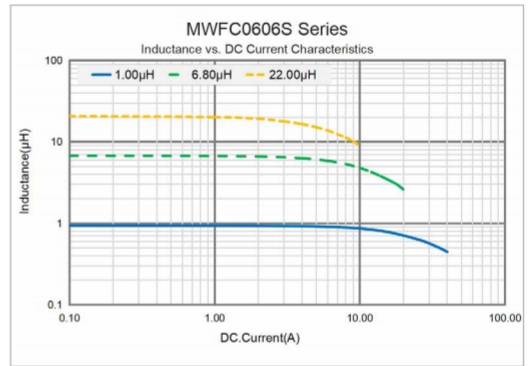
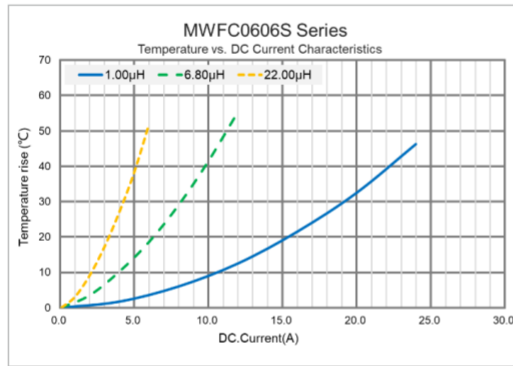
电气特性

Typical Electrical Characteristics

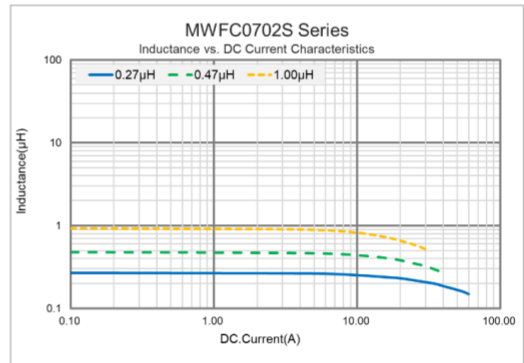
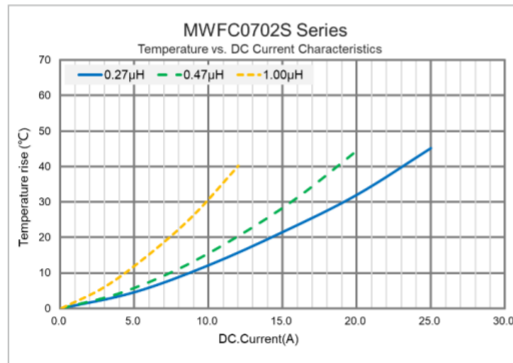
MWFC0605S Series



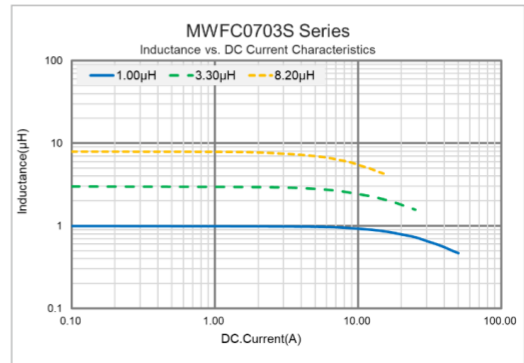
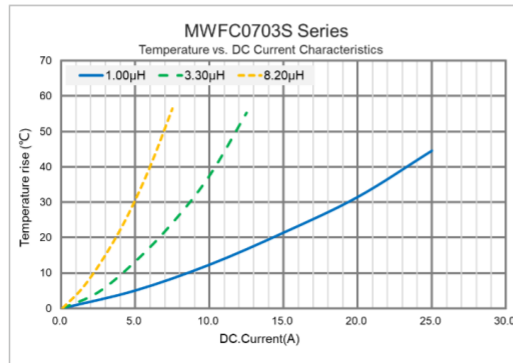
MWFC0606S Series



MWFC0702S Series



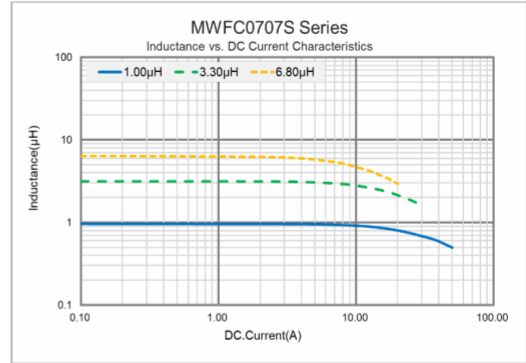
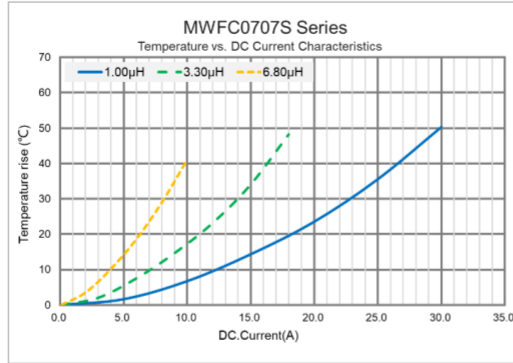
MWFC0703S Series



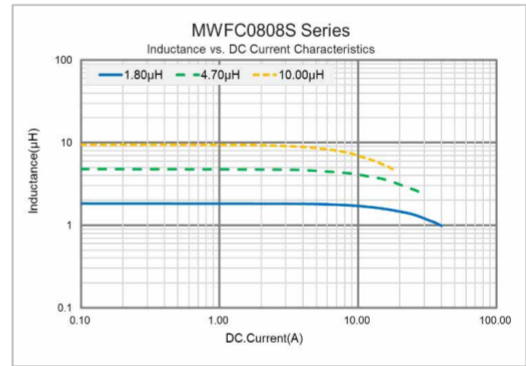
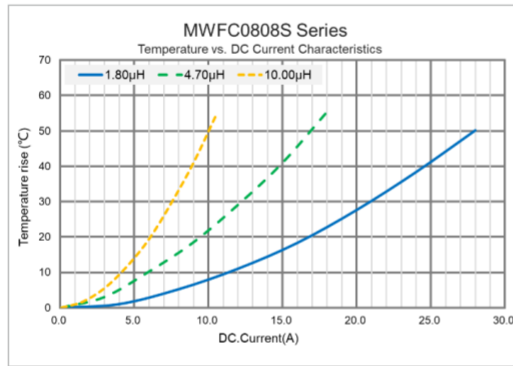
电气特性

Typical Electrical Characteristics

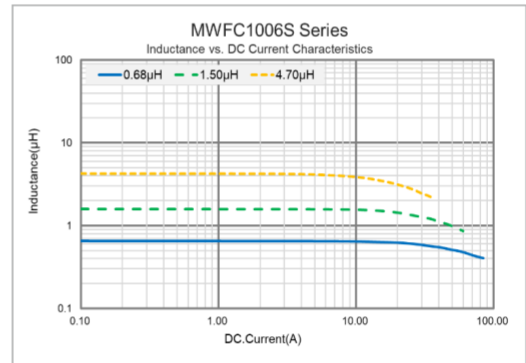
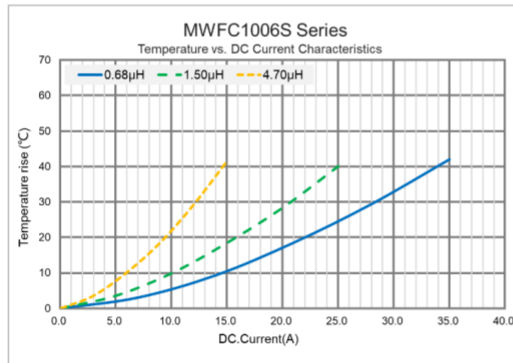
MWFC0707S Series



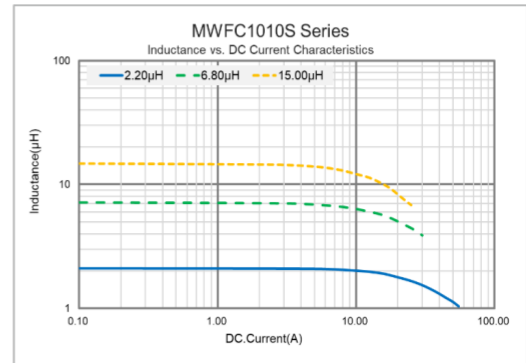
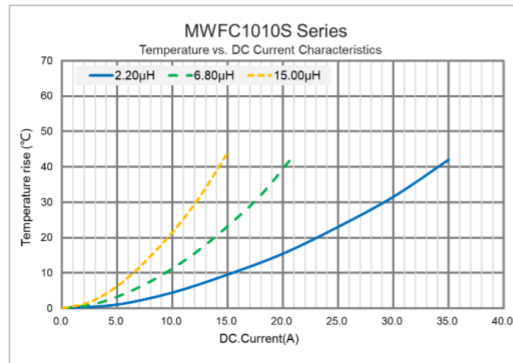
MWFC0808S Series



MWFC1006S Series



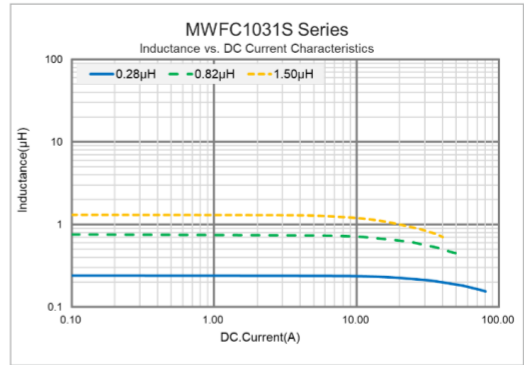
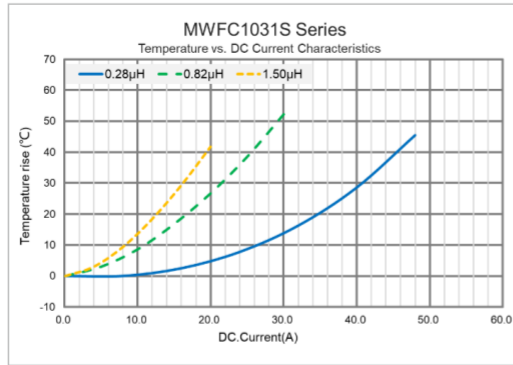
MWFC1010S Series



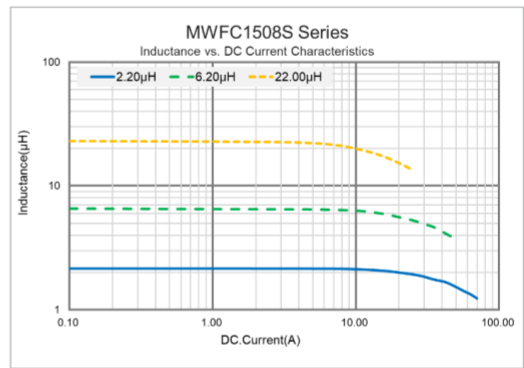
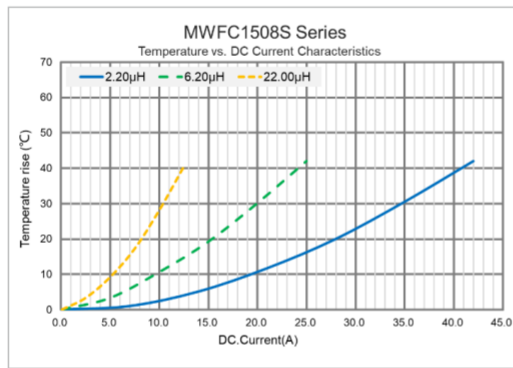
电气特性

Typical Electrical Characteristics

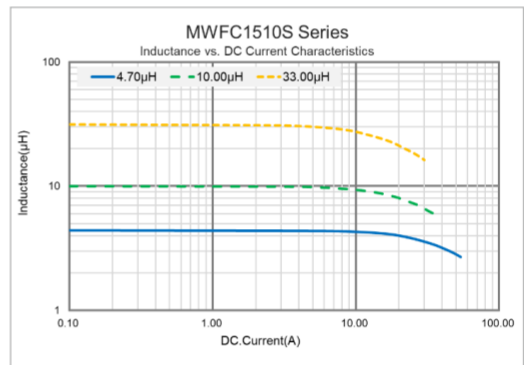
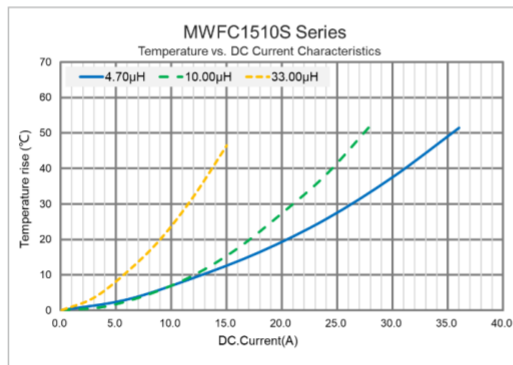
MWFC1031S Series



MWFC1508S Series



MWFC1510S Series



MWFC1513S Series

