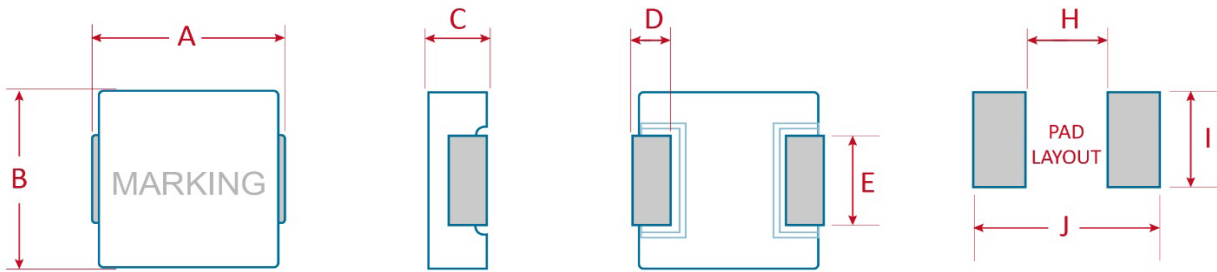




SPECIFICATION FOR APPROVED  
**樣品承認書**

2022  
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機構圖 Shape and Dimensions(mm):



Item	A	B	C	D	E	H	I	J
SAR4010	4.4±0.2	4.0±0.2	0.8±0.2	0.76±0.3	2.0±0.3	2.16	2.3	4.95

印字Marking：印字顏色因生產設備而有所差異

**SAR4010**

Part No.	L(μH)	DCR(mΩ)	Isat(A)	Irms(A)	Tolerance (±%)
		Max.	Typ.	Typ.	
SAR4010MTR22	0.22	12.00	18.0	11.0	±20%
SAR4010MTR33	0.33	14.5	14.0	10.00	±20%
SAR4010MTR47	0.47	18.5	11.0	8.50	±20%
SAR4010MT1R0	1.00	42.0	6.5	4.20	±20%
SAR4010MT2R2	2.20	108.0	4.5	2.80	±20%
SAR4010MT6R8	6.80	268.0	2.8	1.40	±20%
SAR4010MT100	10.00	312.0	1.70	1.10	±20%

# SPECIFICATION FOR APPROVED 樣品承認書

**HT** 宏信科技股份有限公司  
HT-TECH CORPORATION

2022  
NEW

## Ordering information

SAR - 4010 - MT - R33

(1) (2) (3)(4) (5)

- ( 1 ) Type : High Power Inductor
- ( 2 ) Size : 4010 is size
- ( 3 ) Tolerance : M=20%
- ( 4 ) Packaging style : Taping Reel
- ( 5 ) Inductance : R33 for 0.33uH,1R0 for 1.0uH,2R2 for 2.2uH...

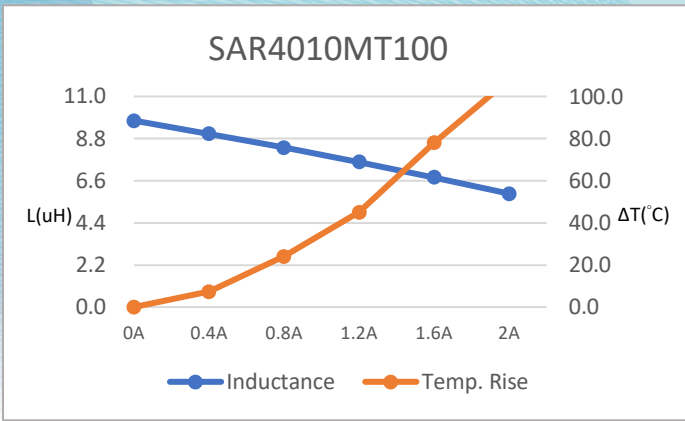
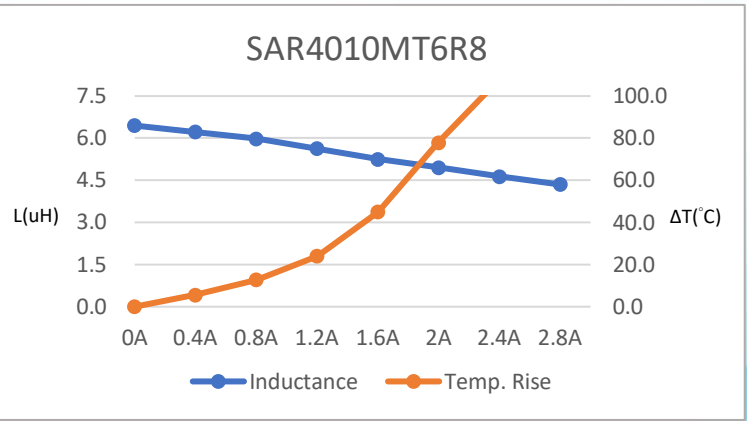
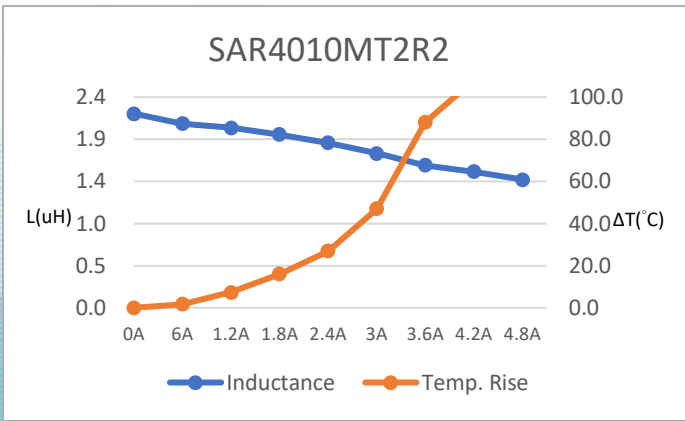
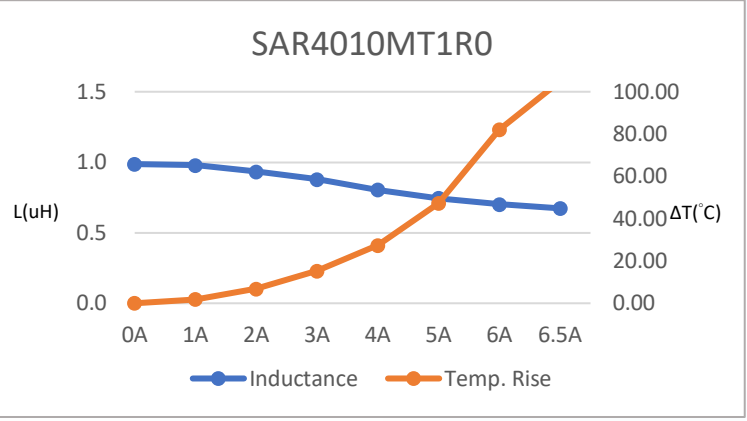
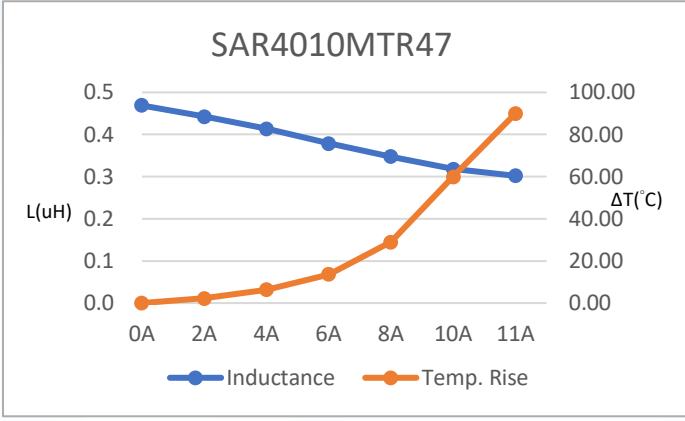
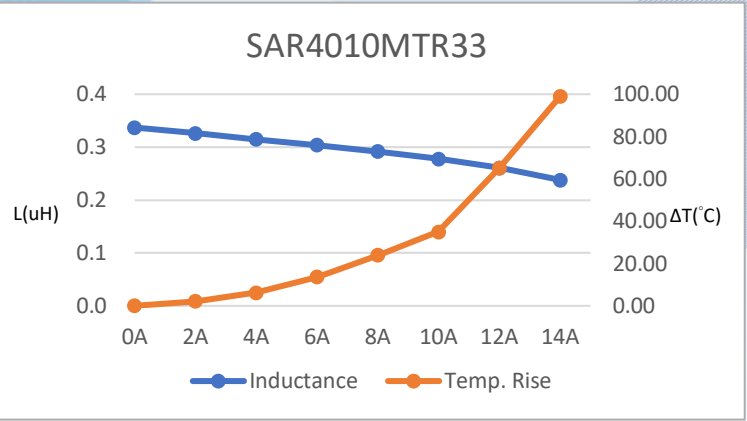
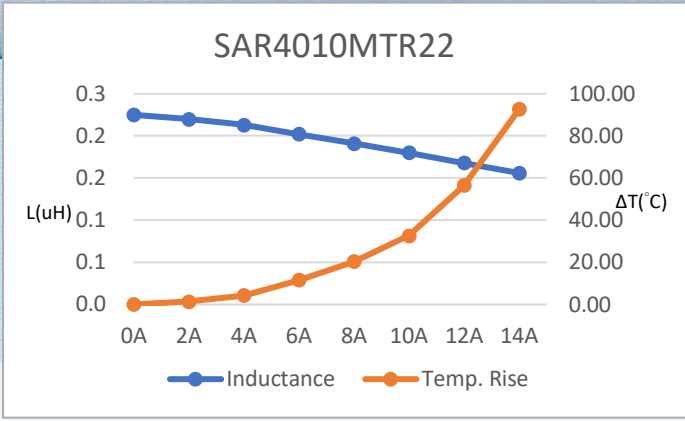
## Characteristics

- All test data is referred to 25°C ambient.
- Isat : DC current (A) that will cause Lo to drop approximately 30% (Typical)
- Irms : DC current (A)that will cause an approximate  $\Delta T$  of 40°C (Typical)
- Operating temperature range : -55°C to +125°C

註 : Absolute maximum voltage 30VDC

## Test equipment

- Test Frequency : 100KHz ,0.25 Vrms.
- L :WK3260B
- DCR : ChenHwa502



**SAR4010MTR22**

DC BIAS	0A	2A	4A	6A	8A	10A	12A	14A
<b>Inductance</b>	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16
<b>Temp. Rise</b>	0.00	1.3	4.2	11.5	20.4	32.6	56.5	92.6

**SAR4010MTR33**

DC BIAS	0A	2A	4A	6A	8A	10A	12A	14A
<b>Inductance</b>	0.34	0.33	0.32	0.30	0.29	0.28	0.26	0.24
<b>Temp. Rise</b>	0.00	2.15	6.3	13.6	24.0	35.0	65.0	99.0

**SAR4010MTR47**

DC BIAS	0A	2A	4A	6A	8A	10A	11A
<b>Inductance</b>	0.47	0.44	0.41	0.38	0.35	0.32	0.30
<b>Temp. Rise</b>	0.00	2.15	6.3	13.6	29.0	60.0	90.0

**SAR4010MT1R0**

DC BIAS	0A	1A	2A	3A	4A	5A	6A	6.5A
<b>Inductance</b>	0.99	0.98	0.93	0.878	0.804	0.744	0.701	0.673
<b>Temp. Rise</b>	0.00	1.87	6.79	15.4	27.4	47.2	82.0	105.0

**SAR4010MT2R2**

DC BIAS	0A	6A	1.2A	1.8A	2.4A	3A	3.6A	4.2A	4.8A
<b>Inductance</b>	2.213	2.100	2.050	1.973	1.880	1.760	1.626	1.551	1.462
<b>Temp. Rise</b>	0.0	1.70	7.40	16.0	27.0	47.0	88.0	108.0	

**SAR4010MT6R8**

DC BIAS	0A	0.4A	0.8A	1.2A	1.6A	2A	2.4A	2.8A
<b>Inductance</b>	6.45	6.222	5.988	5.634	5.253	4.957	4.641	4.35
<b>Temp. Rise</b>	0.0	5.60	12.80	24.0	45.0	78.0	108.0	

**SAR4010MT100**

DC BIAS	0A	0.4A	0.8A	1.2A	1.6A	2A
<b>Inductance</b>	9.739	9.050	8.336	7.580	6.774	5.925
<b>Temp. Rise</b>	0.0	7.40	24.0	45.0	78.0	108.0

**TAPE AND REEL SPECIFICATIONS**

