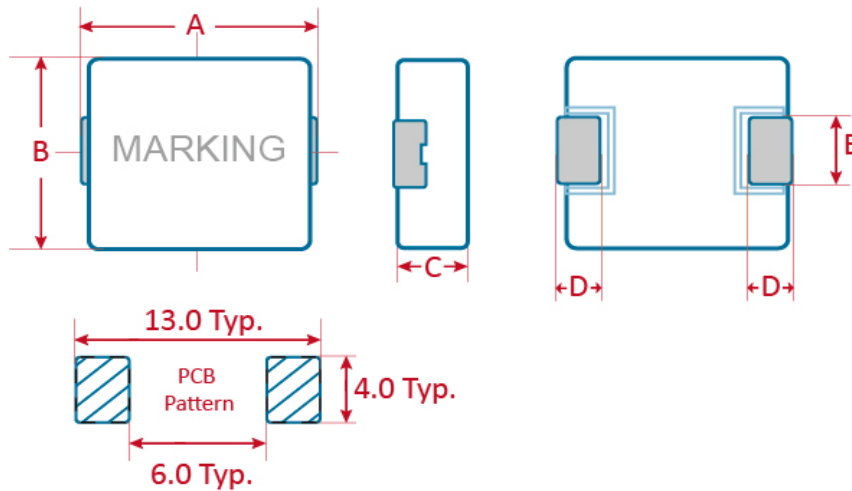




# SPECIFICATION FOR APPROVED 樣品承認書

2022  
NEW

## 機構圖 Shape and Dimensions(mm) :



Item	A	B	C	D	E	
SAR1050-M	11.6 Max.	10.1 ± 0.3	5.0 Max.	2.5 ± 0.5	2.5 ± 0.5	Non Lead frame type(1R0/1R5)
					3.0 ± 0.5	Lead frame type (2R2~101)

印字Marking：印字顏色因生產設備而有所差異

## SAR1050-M

Part No.	L(μH)	DCR(mΩ)		Isat(A)		Irms(A)	Tolerance (±%)
		Max.	Typ.	Typ.	Typ.		
SAR1050MT1R0-M	1.0	3.0	24	20	±20%		
SAR1050MT1R5-M	1.5	4.2	23	16	±20%		
SAR1050MT2R2-M	2.2	6.5	18	12.5	±20%		
SAR1050MT3R3-M	3.3	11	16	11	±20%		
SAR1050MT4R7-M	4.7	13	14	10	±20%		
SAR1050MT5R6-M	5.6	16.5	13	9.5	±20%		
SAR1050MT6R8-M	6.8	18.5	12	8.0	±20%		
SAR1050MT100-M	10	25	9.0	7.0	±20%		
SAR1050MT150-M	15	45	7.0	5.5	±20%		
SAR1050MT220-M	22	65	6.5	5.5	±20%		
SAR1050MT330-M	33	85	5.0	3.5	±20%		
SAR1050MT470-M	47	100	3.5	3.2	±20%		
SAR1050MT680-M	68	150	3.0	2.8	±20%		
SAR1050MT101-M	100	250	2.5	1.5	±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 - 1050 - MT - 1R0

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

- ( 1 ) Type : High Power Inductor
- ( 2 ) Size : 1050 is size
- ( 3 ) Tolerance : M=20%
- ( 4 ) Packaging style : Taping Reel
- ( 5 ) Inductance : 1R0 for 1.0uH,2R2 for 2.2uH...

## Characteristics

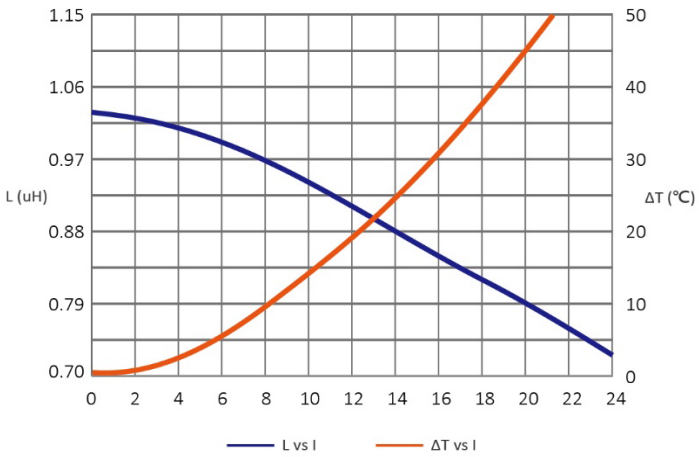
- All test data is referred to 25°C ambient.
- Isat : DC current (A) that will cause Lo to drop approximately 30% (Typical)
- Irms : DC current (A)that will cause an approximate  $\Delta T$  of 40°C (Typical)
- Operating temperature range : -40°C to +125°C

註： Absolute maximum voltage 30VDC

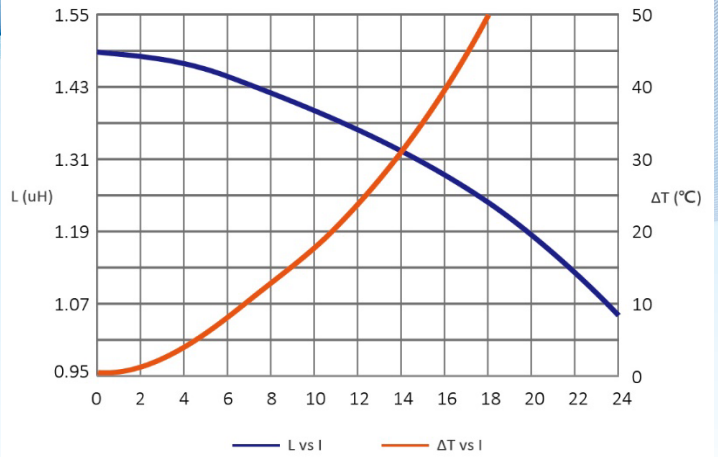
## Test equipment

- Test Frequency : 100KHz ,1.0 Vrms.
- L :HP 4284A
- DCR : TH2512B

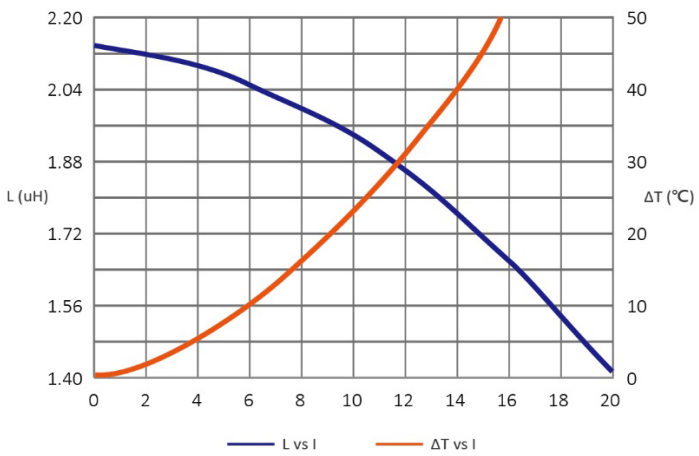
**SAR1050MT1R0-M**



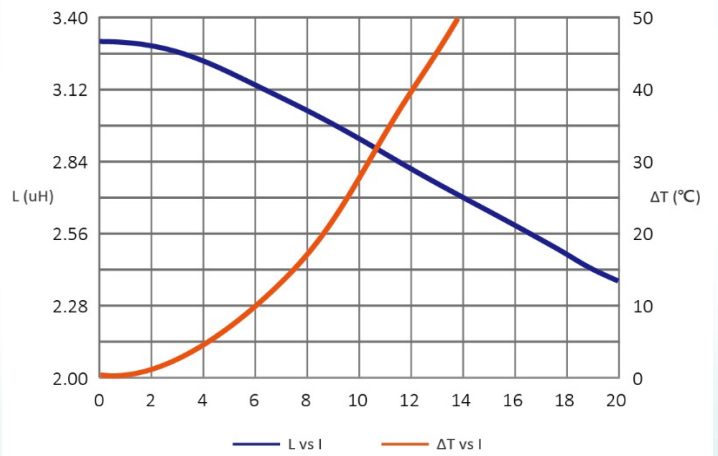
**SAR1050MT1R5-M**



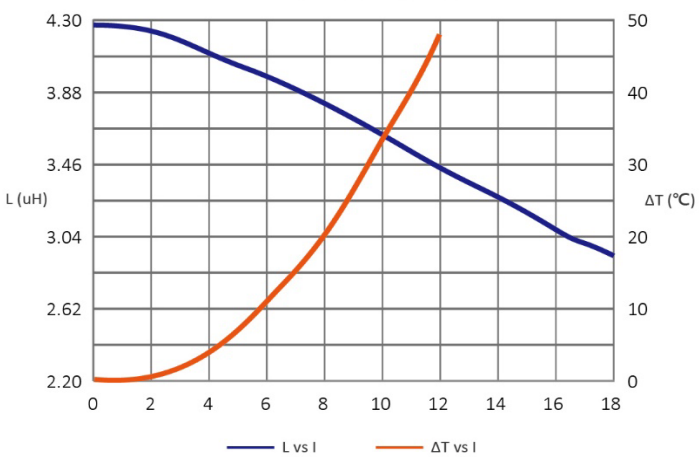
**SAR1050MT2R2-M**



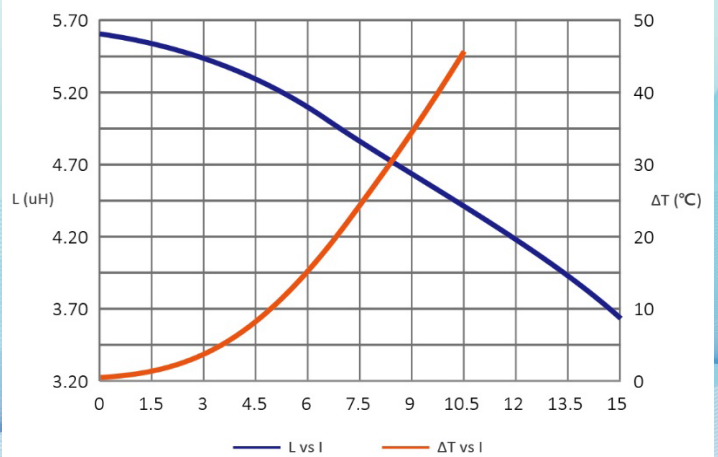
**SAR1050MT3R3-M**



**SAR1050MT4R7-M**

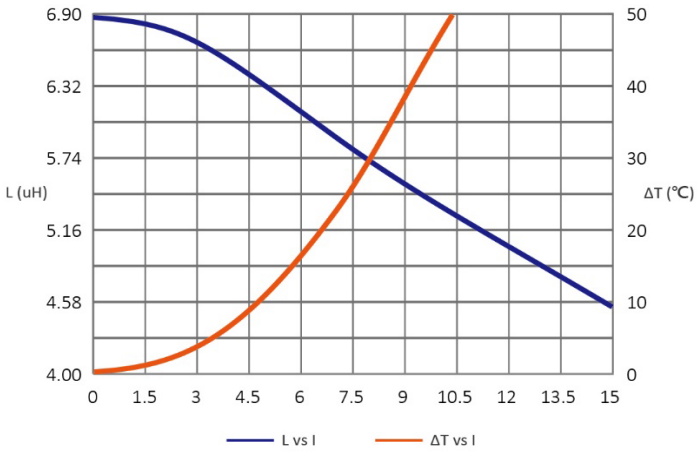


**SAR1050MT5R6-M**

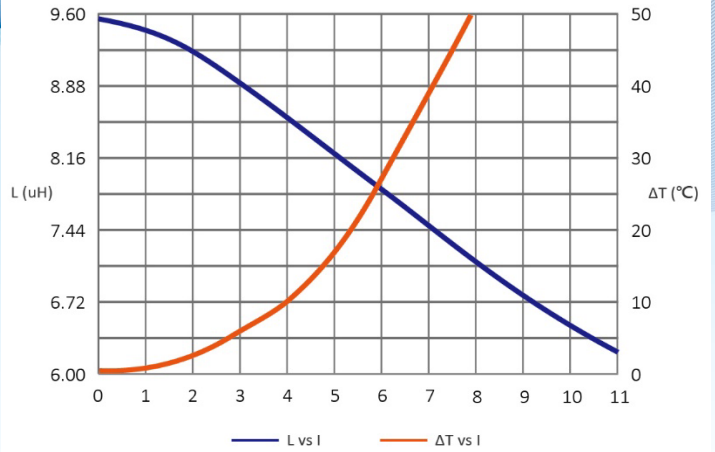




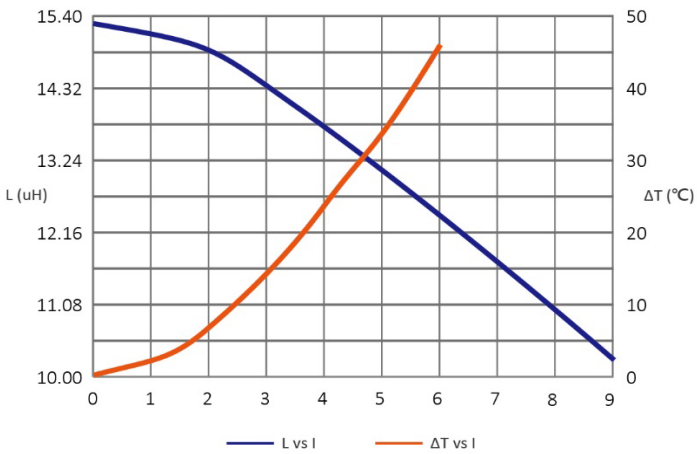
**SAR1050MT6R8-M**



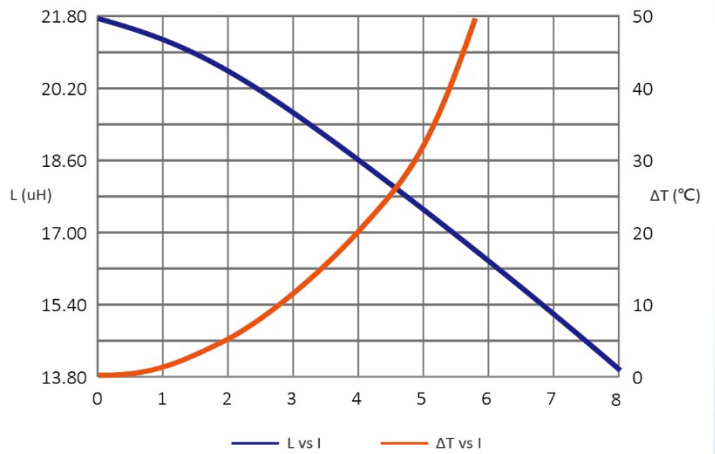
**SAR1050MT100-M**



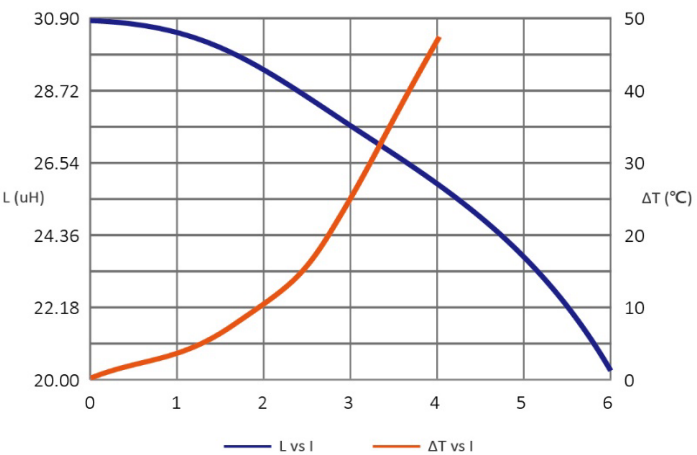
**SAR1050MT150-M**



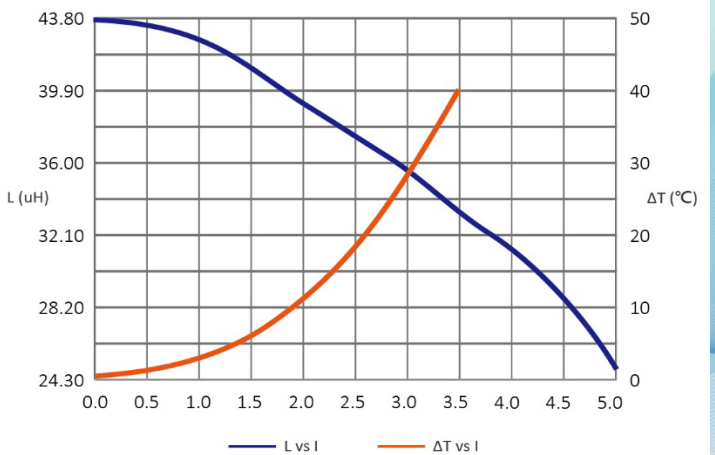
**SAR1050MT220-M**

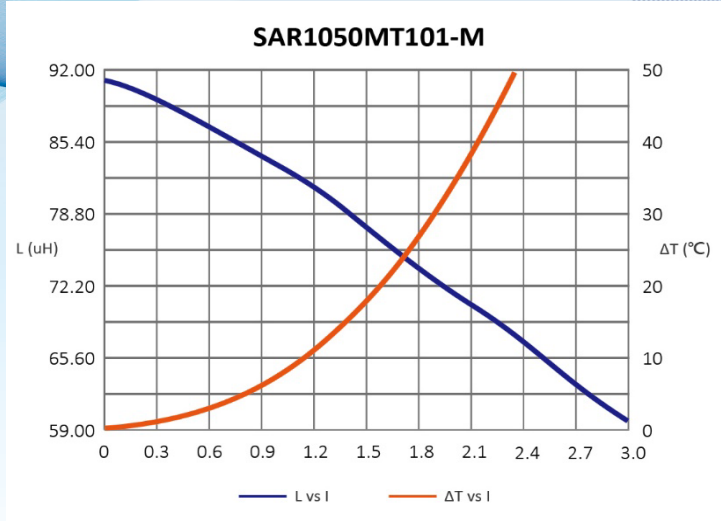
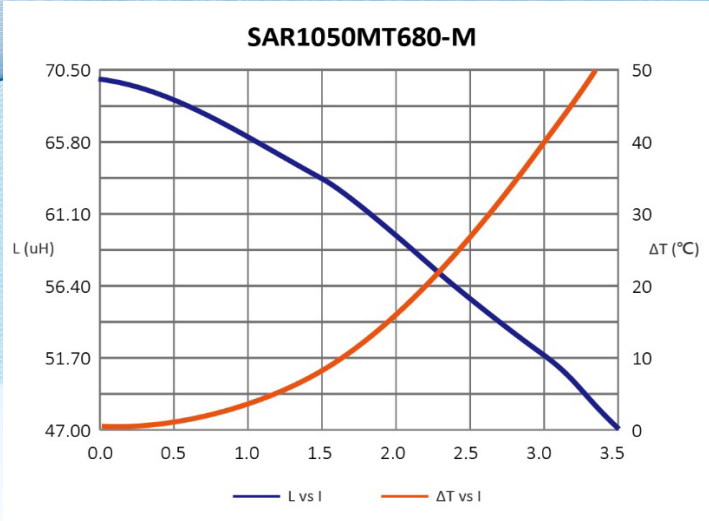


**SAR1050MT330-M**



**SAR1050MT470-M**





**TAPE AND REEL SPECIFICATIONS**

