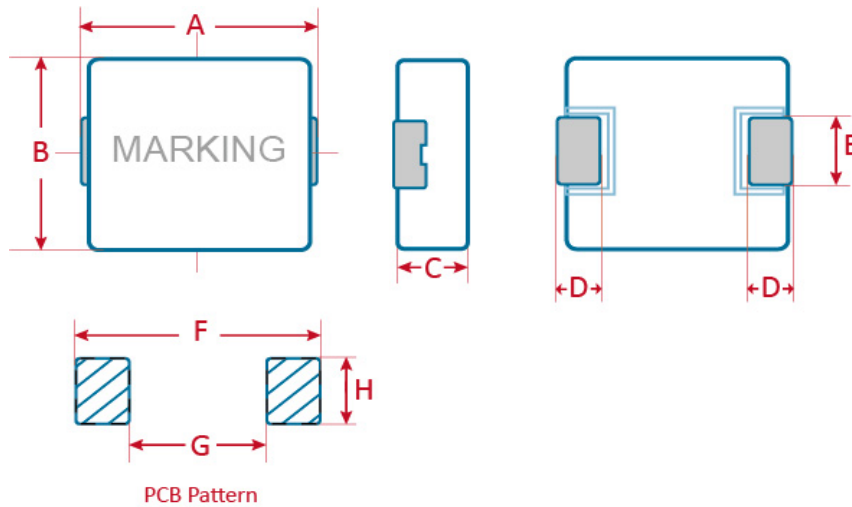




# SPECIFICATION FOR APPROVED 樣品承認書

2022  
NEW

## 機構圖 Shape and Dimensions(mm) :



Item	A	B	C	D	E	F	G	H
SAR7050-M	7.1 ± 0.3	6.6 ± 0.3	5.0 Max.	1.6 ± 0.5	3.0 ± 0.3	8.4 Typ.	3.7 Typ.	3.5 Typ.

印字Marking：印字顏色因生產設備而有所差異

## SAR7050-M

Part No.	L(μH)	DCR(mΩ)		Isat(A)		Irms(A)		Tolerance (±%)
		Max.	Typ.	Typ.	Typ.			
SAR7050MTR36-M	0.36	4.0	23	15	±20%			
SAR7050MTR47-M	0.47	4.2	21	14	±20%			
SAR7050MTR68-M	0.68	4.5	18	13	±20%			
SAR7050MTR82-M	0.82	5.5	17	12.5	±20%			
SAR7050MT1R0-M	1.0	6.5	13	12	±20%			
SAR7050MT1R5-M	1.5	8.5	10	10	±20%			
SAR7050MT2R2-M	2.2	12.5	9.5	9.5	±20%			
SAR7050MT3R3-M	3.3	20.9	9.0	8.5	±20%			
SAR7050MT4R7-M	4.7	27	8.0	6.5	±20%			
SAR7050MT5R6-M	5.6	35	7.0	6.0	±20%			
SAR7050MT6R8-M	6.8	38	7.0	5.5	±20%			
SAR7050MT8R2-M	8.2	45	6.5	5.0	±20%			
SAR7050MT100-M	10.0	55	6.0	4.5	±20%			
SAR7050MT150-M	15.0	85	4.0	3.1	±20%			
SAR7050MT220-M	22.0	130	3.5	2.6	±20%			
SAR7050MT330-M	33.0	200	3.0	2.3	±20%			
SAR7050MT470-M	47.0	290	2.8	2.0	±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 - 7050 - MT - R36

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

- ( 1 ) Type : High Power Inductor
- ( 2 ) Size : 7050 is size
- ( 3 ) Tolerance : M=20%
- ( 4 ) Packaging style : Taping Reel
- ( 5 ) Inductance : R36 for 0.36uH,1R0 for 1.0uH,2R2 for 2.2uH...

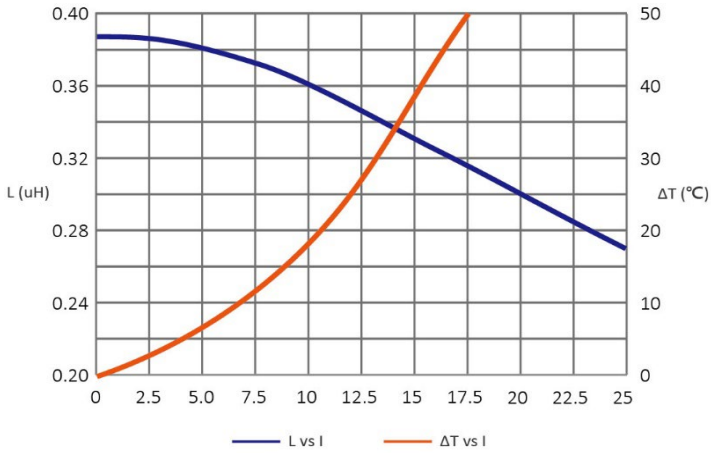
## Characteristics

- 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

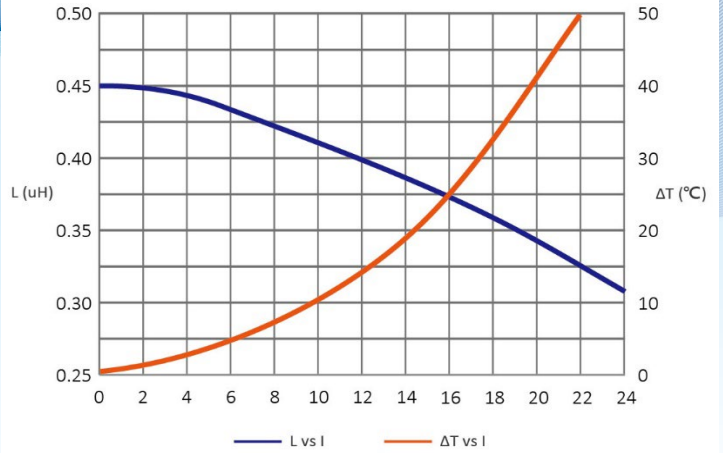
## Test equipment

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

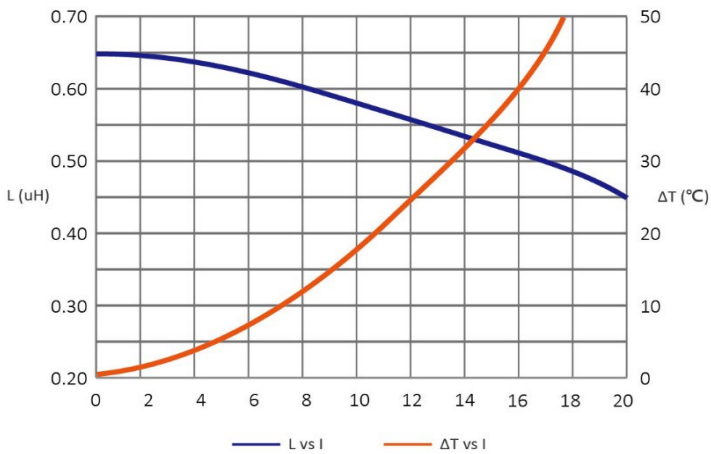
**SAR7050MTR36-M**



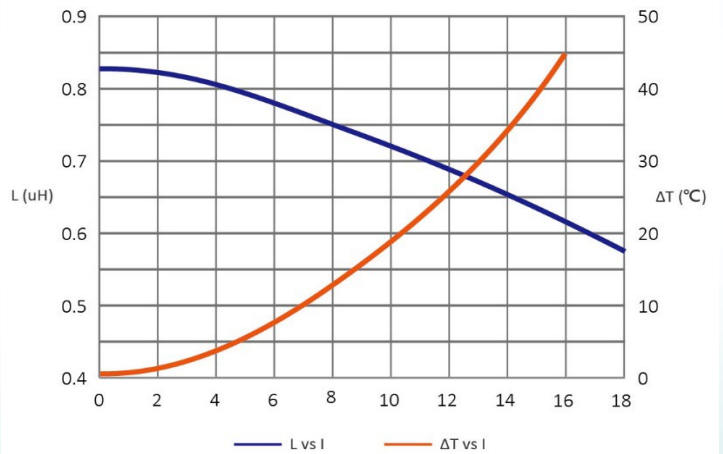
**SAR7050MTR47-M**



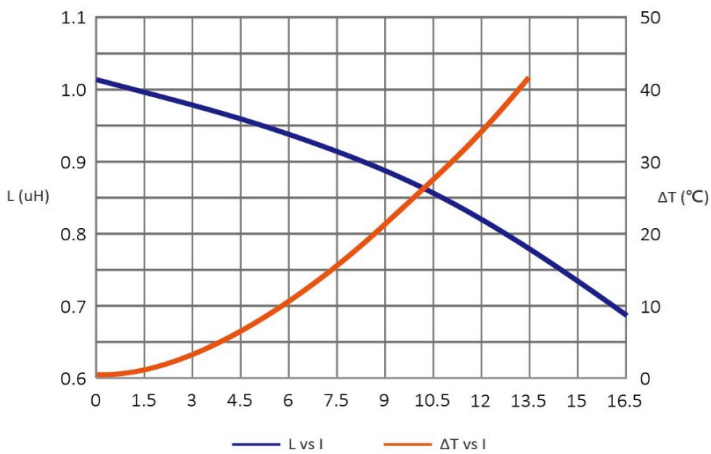
**SAR7050MTR68-M**



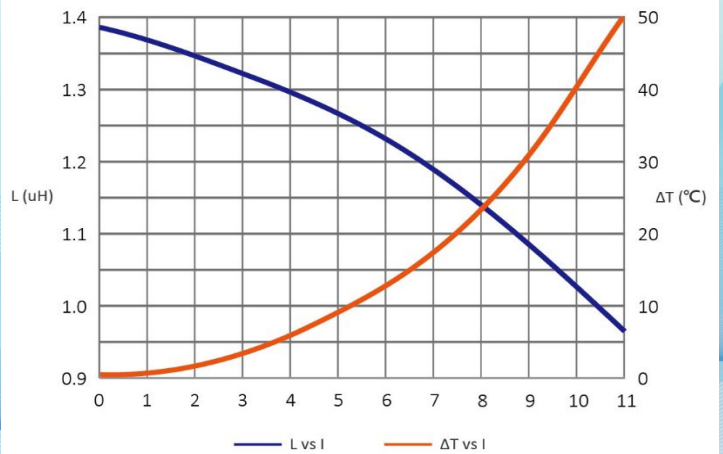
**SAR7050MTR82-M**



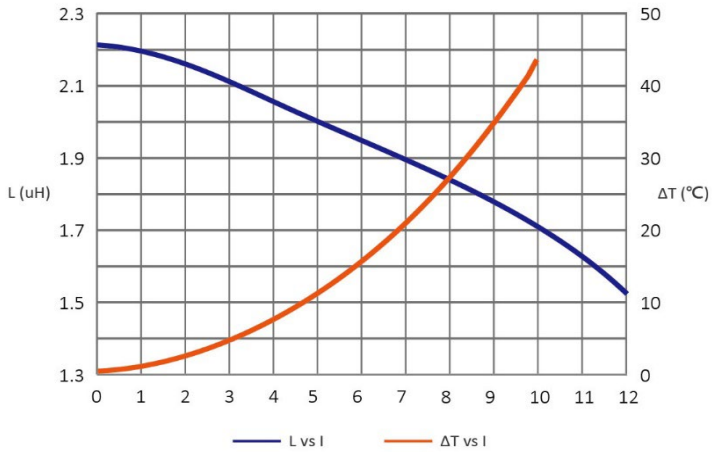
**SAR7050MT1R0-M**



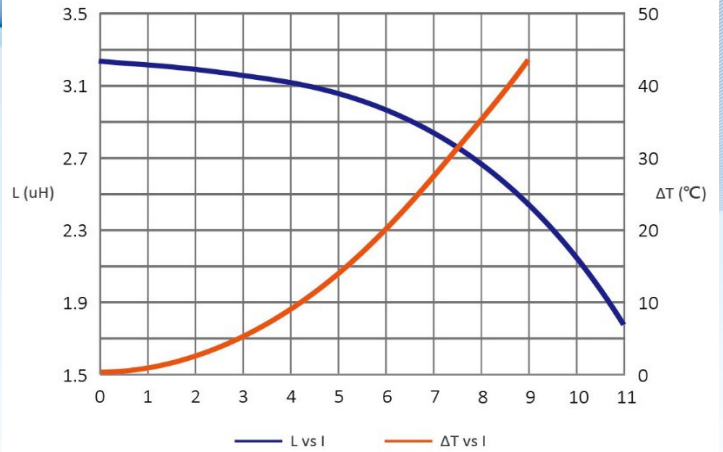
**SAR7050MT1R5-M**



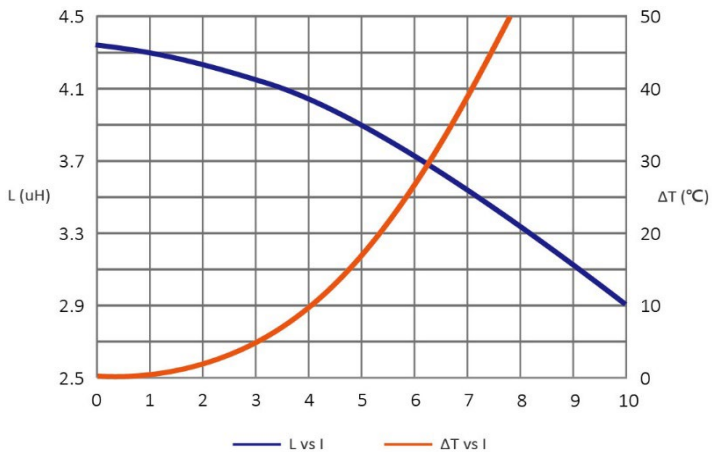
**SAR7050MT2R2-M**



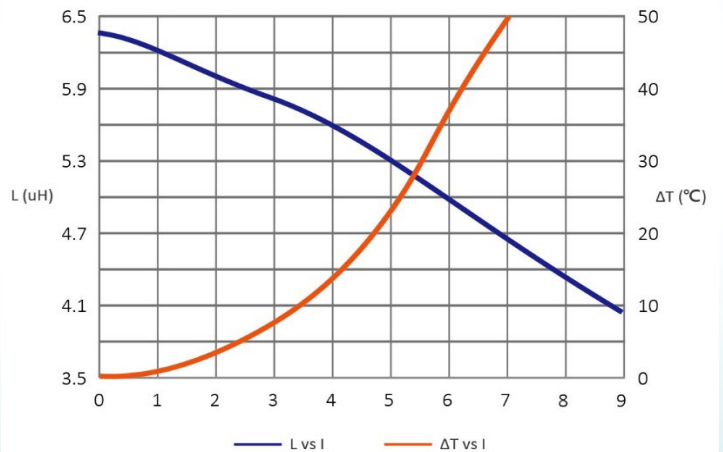
**SAR7050MT3R3-M**



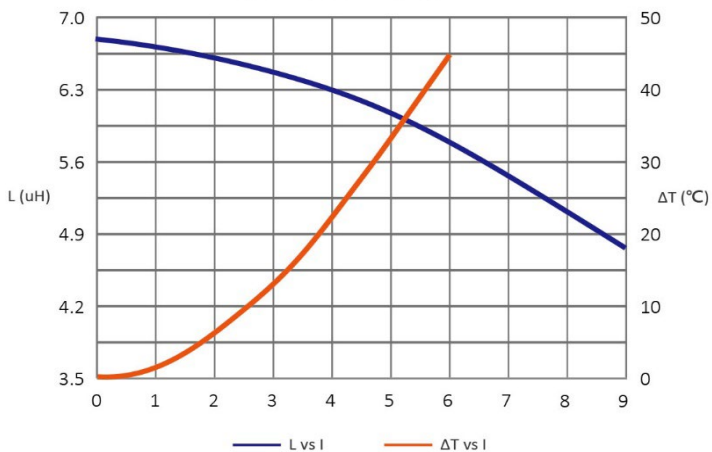
**SAR7050MT4R7-M**



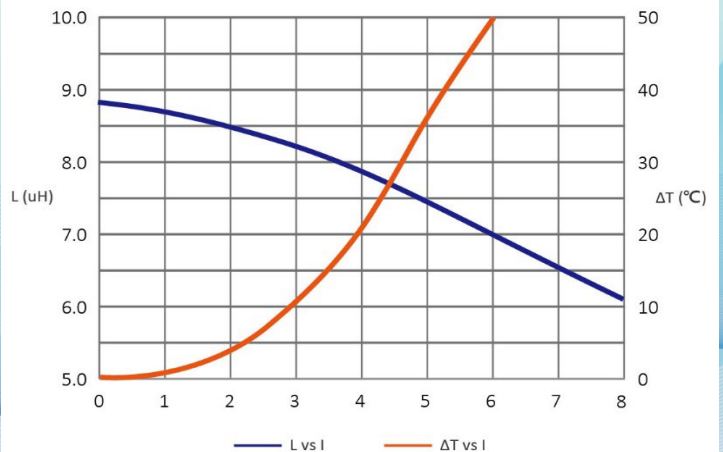
**SAR7050MT5R6-M**



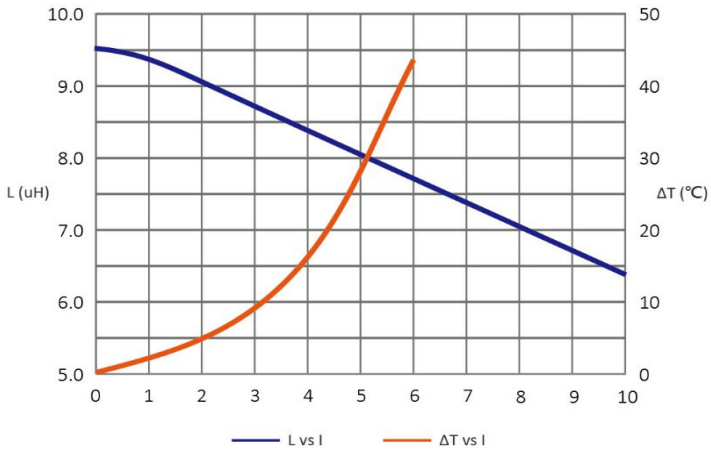
**SAR7050MT6R8-M**



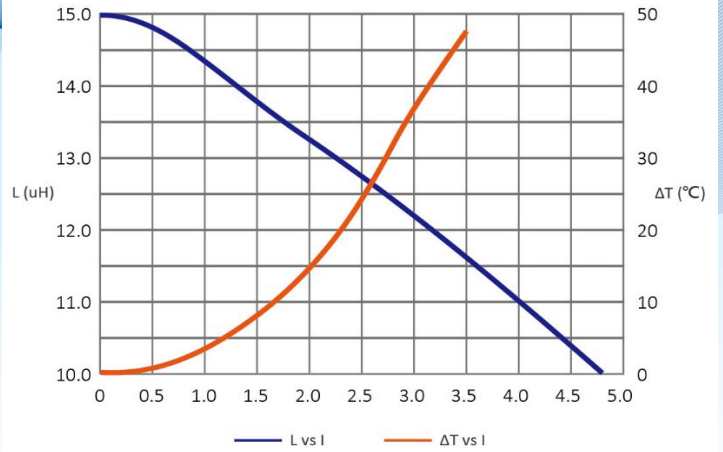
**SAR7050MT8R2-M**



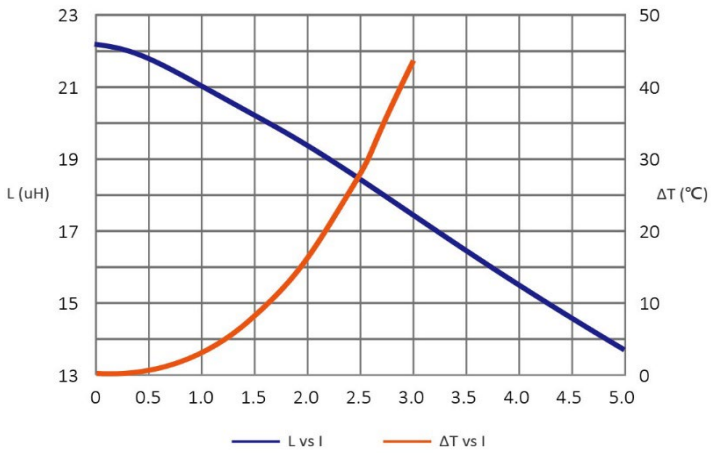
**SAR7050MT100-M**



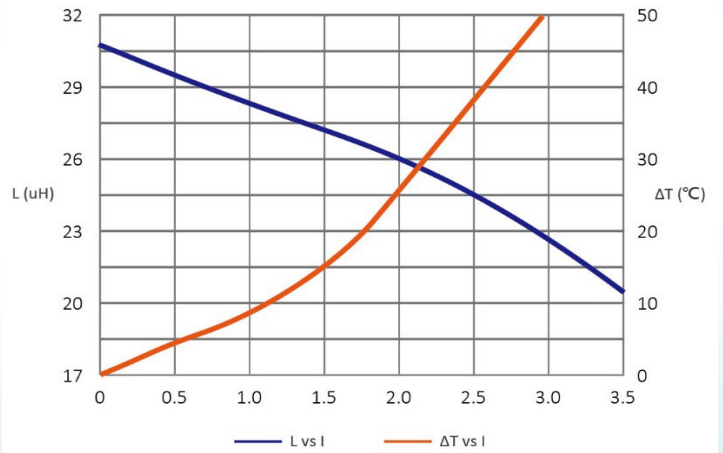
**SAR7050MT150-M**



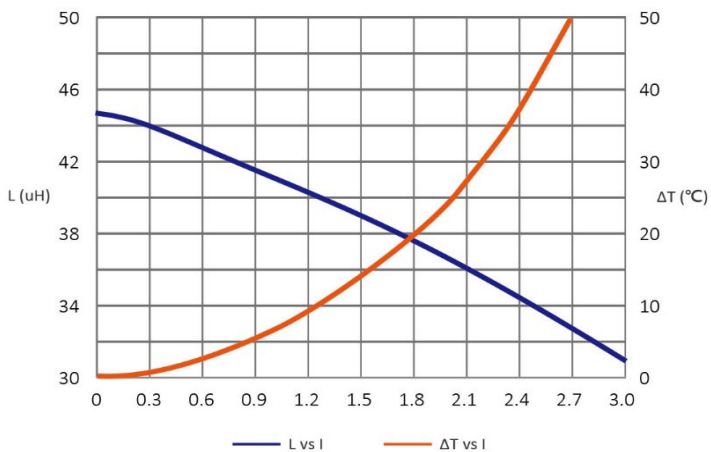
**SAR7050MT220-M**



**SAR7050MT330-M**



**SAR7050MT470-M**



**TAPE AND REEL SPECIFICATIONS**

