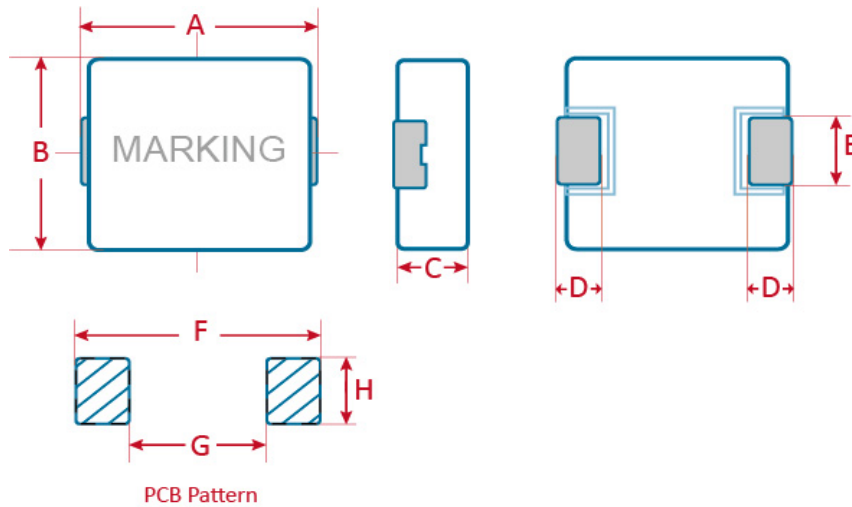




# SPECIFICATION FOR APPROVED 樣品承認書

2022  
NEW

## 機構圖 Shape and Dimensions(mm) :



Item	A	B	C	D	E	F	G	H
SAR7030-M	7.1 ± 0.3	6.6 ± 0.3	3.0 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

## SAR7030-M

Part No.	L(μH)	DCR(mΩ)		Isat(A)		Tolerance (±%)
		Max.	Typ.	Typ.	Typ.	
SAR7030MTR22-M	0.22	2.8	40	23	±20%	
SAR7030MTR33-M	0.33	4.2	30	20	±20%	
SAR7030MTR47-M	0.47	5.5	27	14	±20%	
SAR7030MTR68-M	0.68	6.3	24	13	±20%	
SAR7030MTR82-M	0.82	8.0	23	12.5	±20%	
SAR7030MT1R0-M	1.0	10	22	12	±20%	
SAR7030MT1R5-M	1.5	15	18	9.5	±20%	
SAR7030MT1R8-M	1.8	17	14	9	±20%	
SAR7030MT2R2-M	2.2	20	14	8.5	±20%	
SAR7030MT2R7-M	2.7	25	12	7.0	±20%	
SAR7030MT3R3-M	3.3	35	12	6.0	±20%	
SAR7030MT4R7-M	4.7	40	9.0	5.5	±20%	
SAR7030MT5R6-M	5.6	40	8.0	4.5	±20%	
SAR7030MT6R8-M	6.8	60	7.0	4.5	±20%	
SAR7030MT8R2-M	8.2	60	6.0	4.5	±20%	
SAR7030MT100-M	10.0	68	5.5	4.0	±20%	
SAR7030MT150-M	15.0	113	5.0	3.0	±20%	

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Part No.	L(uH)	DCR(mΩ)	Isat(A)	Irms(A)	Tolerance
		Max.	Typ.	Typ.	(±%)
SAR7030MT220-M	22.0	145	3.2	3.0	±20%
SAR7030MT330-M	33.0	270	3.0	2.0	±20%

## Ordering information

### SAR - 7030 - MT - R22

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

- (1) Type : High Power Inductor
- (2) Size : 7030 is size
- (3) Tolerance : M=20%
- (4) Packaging style : Taping Reel
- (5) Inductance : R22 for 0.22uH,1R0 for 1.0uH,2R2 for 2.2uH...

## Characteristics

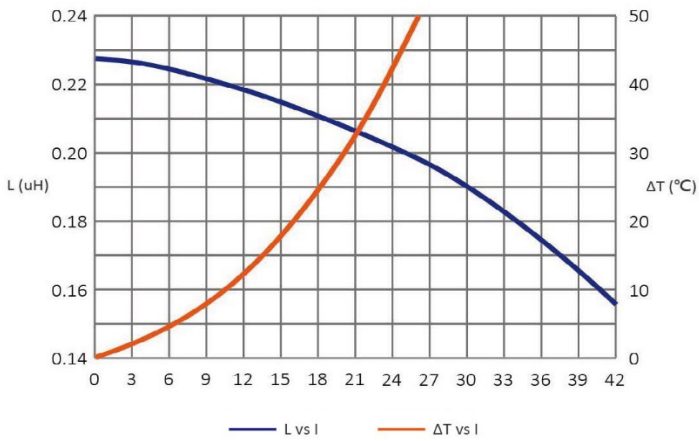
- All test data is referred to 25°C ambient.
- Isat : DC current (A) that will cause Lo to drop approximately 30% (Typical)
- Irms : DC current (A)that will cause an approximate ΔT of 40°C (Typical)
- Operating temperature range : -40°C to +125°C

註 : Absolute maximum voltage 30VDC

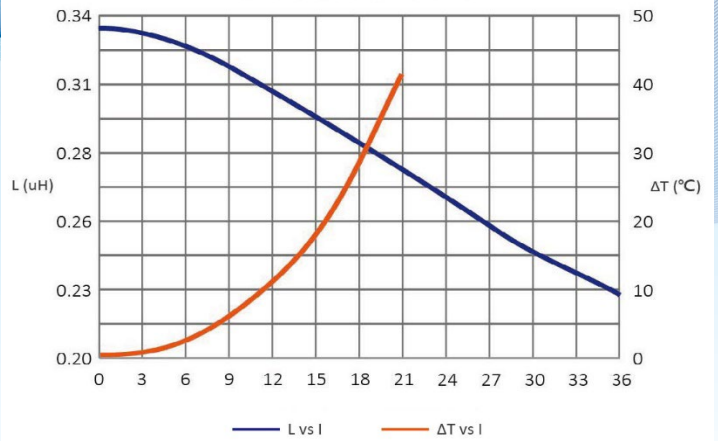
## Test equipment

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

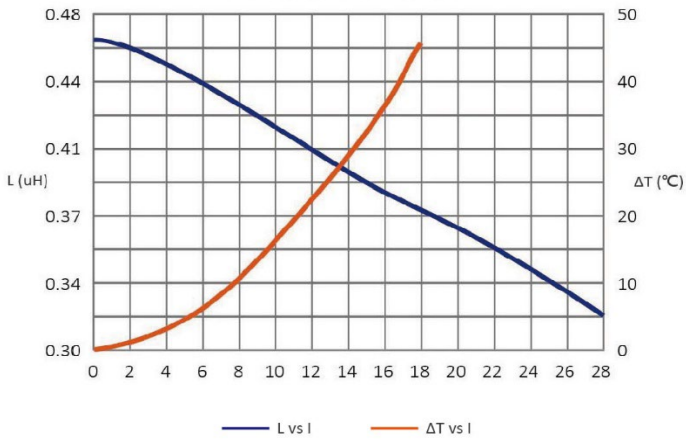
**SAR7030MTR22-M**



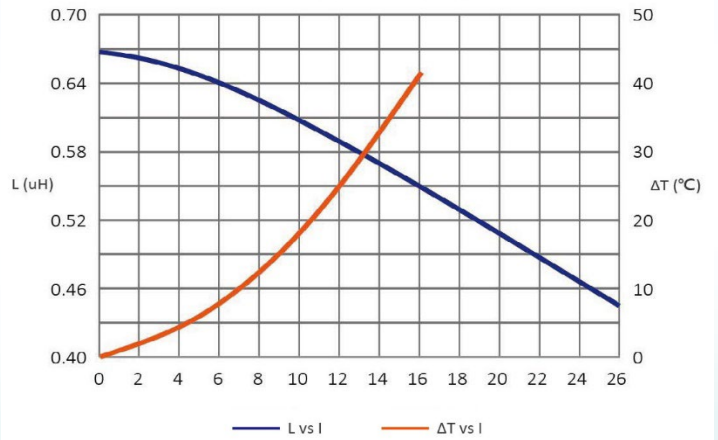
**SAR7030MTR33-M**



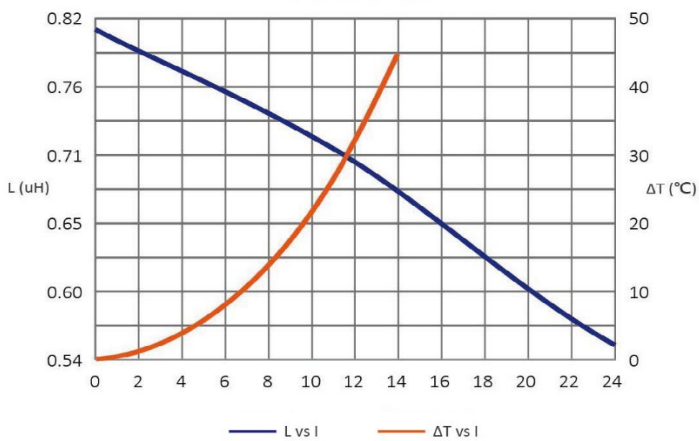
**SAR7030MTR47-M**



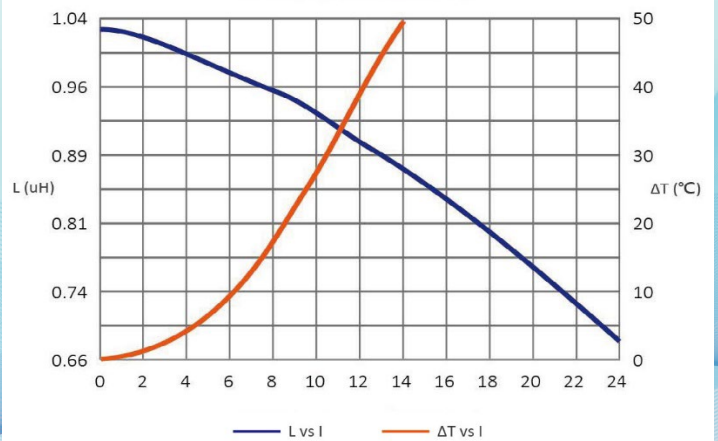
**SAR7030MTR68-M**

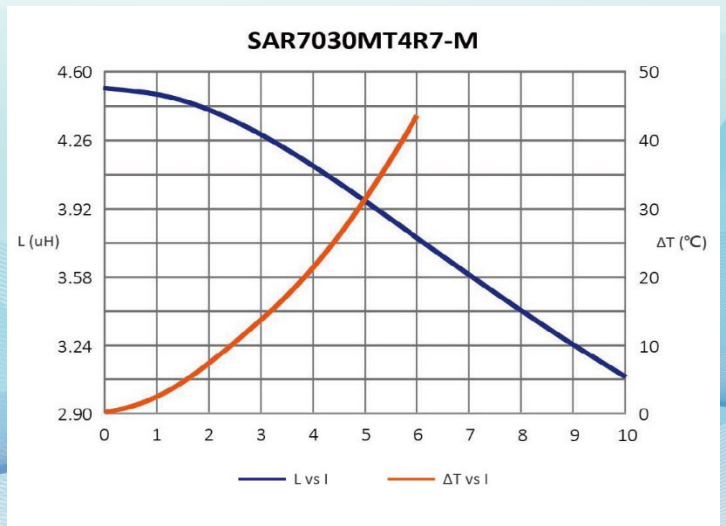
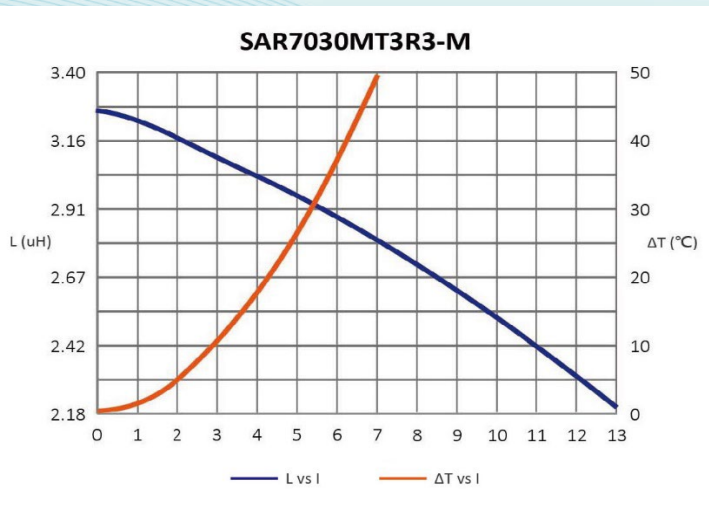
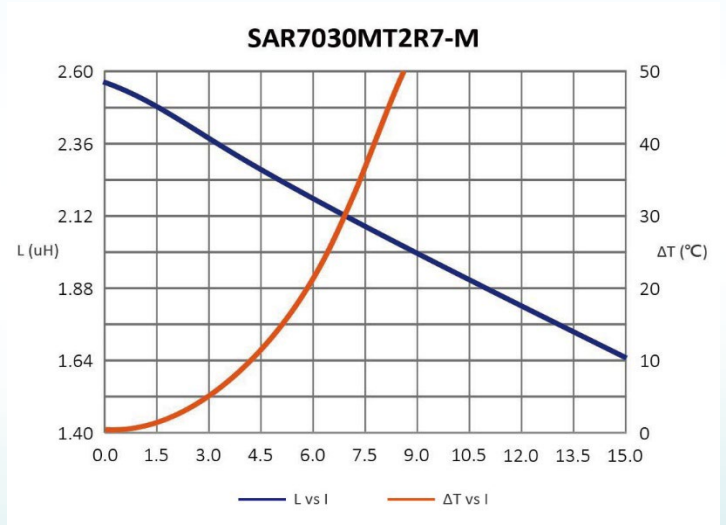
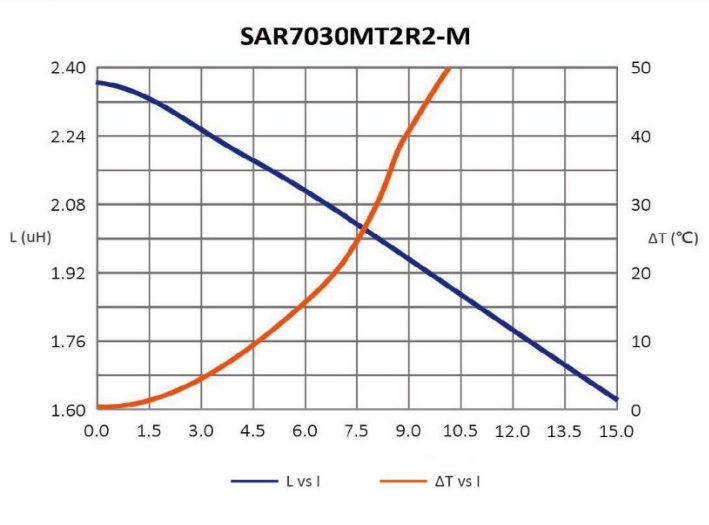
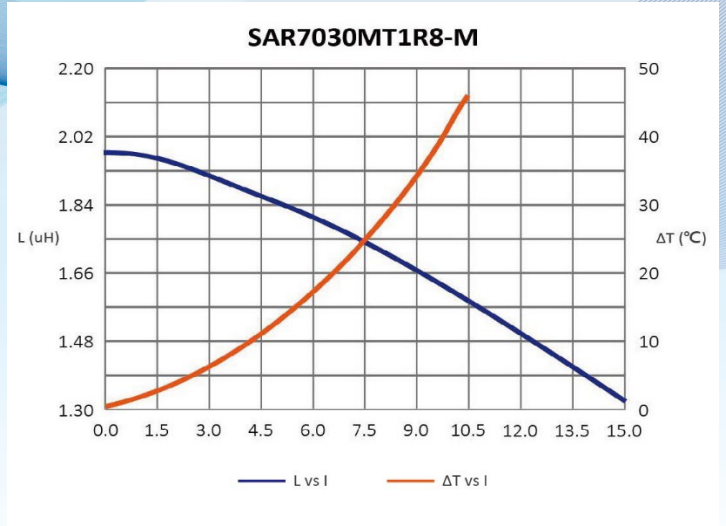
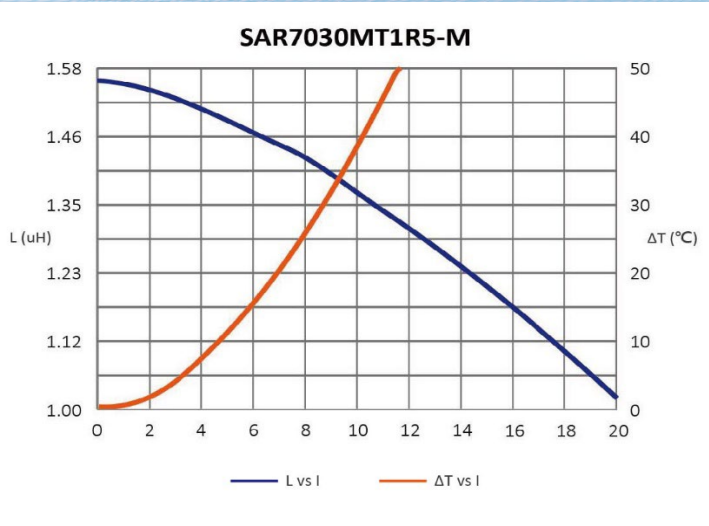


**SAR7030MTR82-M**



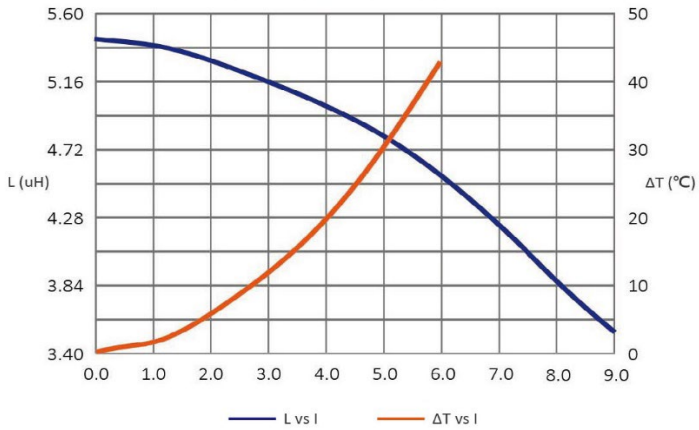
**SAR7030MT1R0-M**



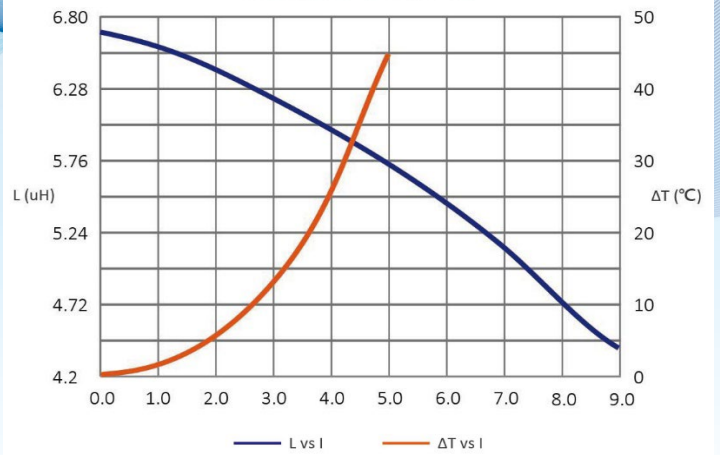




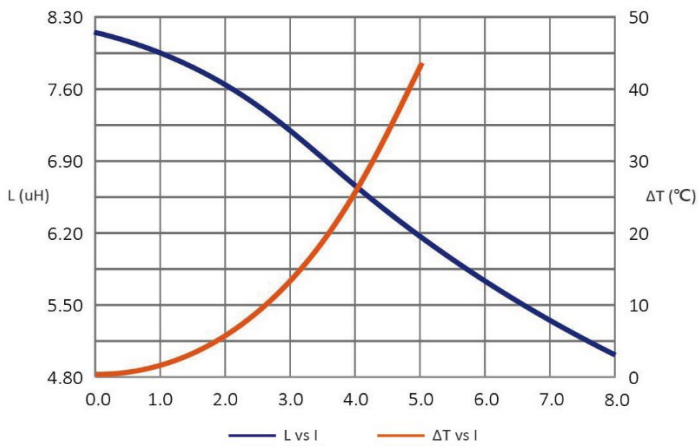
**SAR7030MT5R6-M**



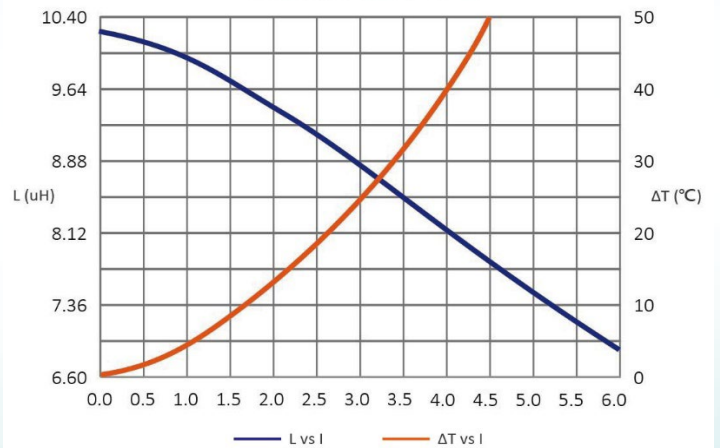
**SAR7030MT6R8-M**



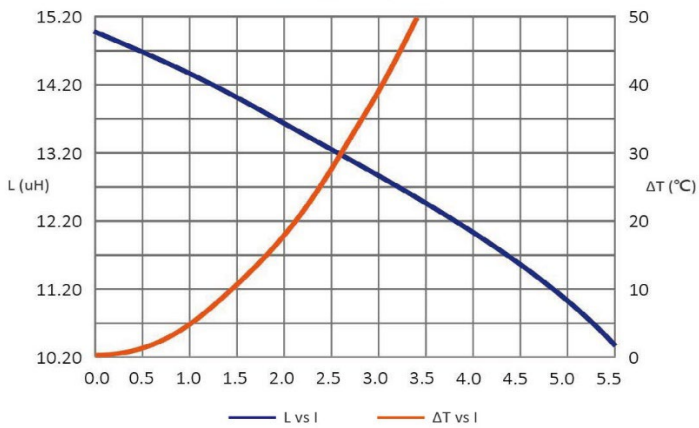
**SAR7030MT8R2-M**



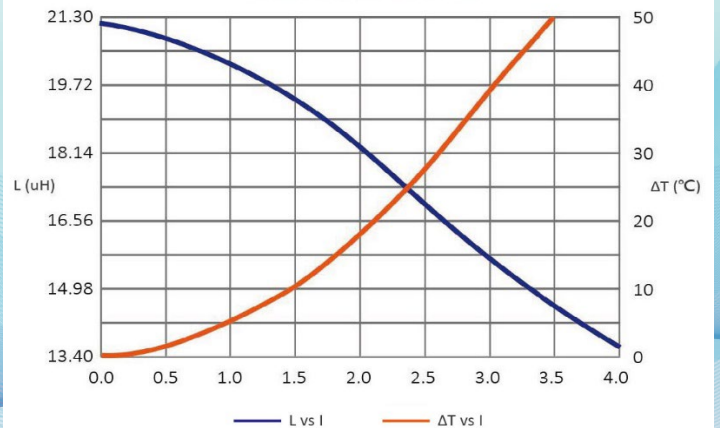
**SAR7030MT100-M**

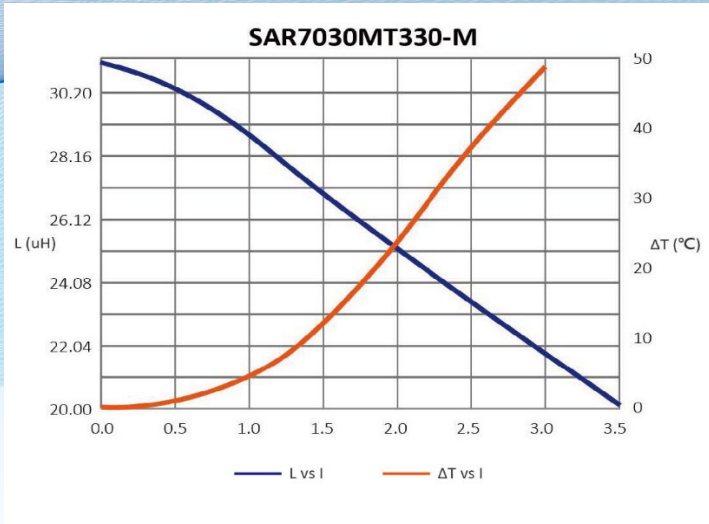


**SAR7030MT150-M**



**SAR7030MT220-M**





**TAPE AND REEL SPECIFICATIONS**

