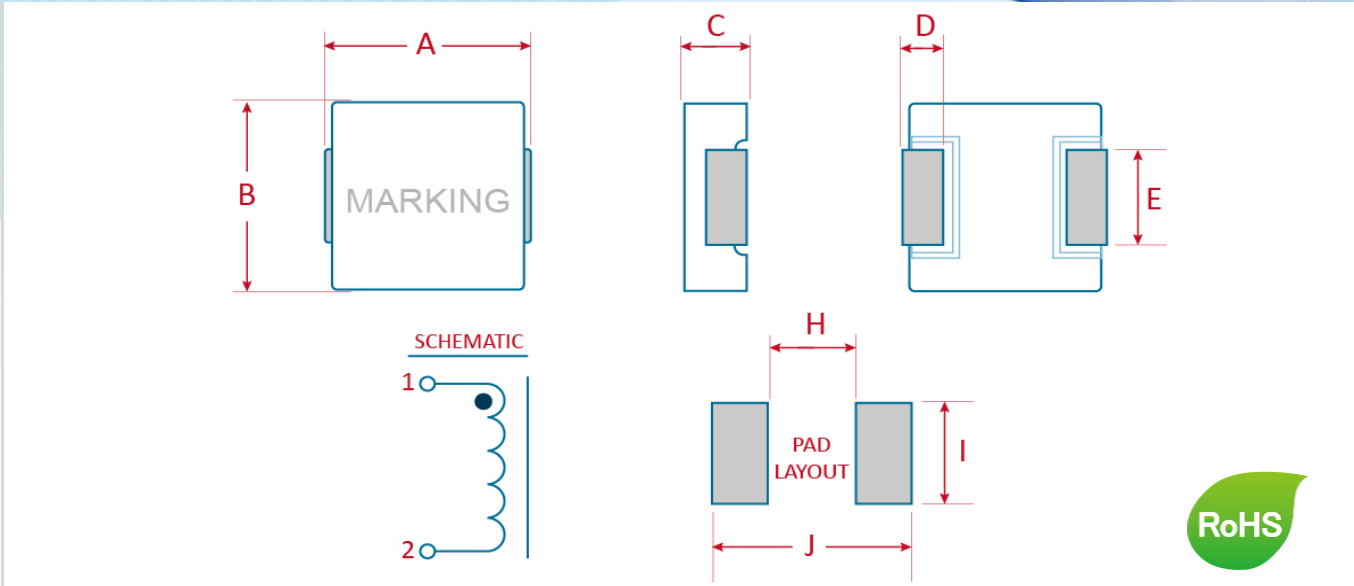




SPECIFICATION FOR APPROVED  
**樣品承認書**

2022  
 NEW

機構圖 Shape and Dimensions(mm):



Item	A	B	C	D	E	H	I	J
SAR7018-C	7.1±0.2	6.6±0.2	1.6±0.2	1.60±0.3	3.2±0.3	3.70	3.50	8.00

印字Marking：印字顏色因生產設備而有所差異

**SAR7018-C**

Part No.	L(uH)	DCR(mΩ)		Isat(A)	Irms(A)	Tolerance (±%)
		Typ.	Max.	Typ.	Typ.	
SAR7018MT2R2-C	2.2	29.7	34.0	11.0	6.0	±20%
SAR7018MT3R3-C	3.3	46.6	56.0	8.4	4.5	±20%
SAR7018MT100-C	10.0	104.0	125.0	6.0	3.0	±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 - 7018 - MT - 2R2

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

- ( 1 ) Type : High Power Inductor
- ( 2 ) Size : 7018 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...

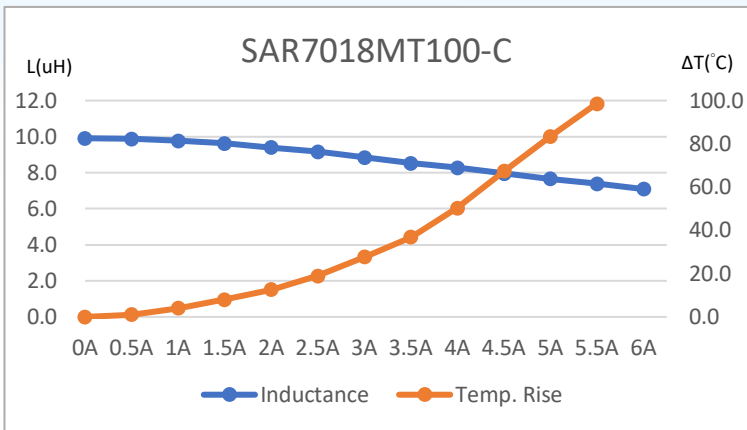
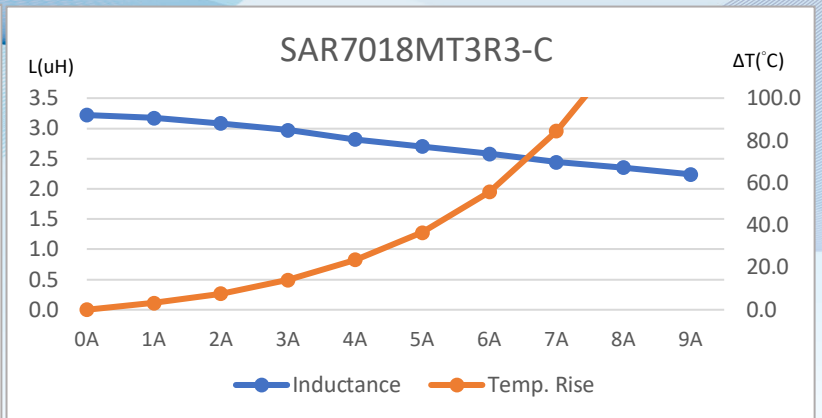
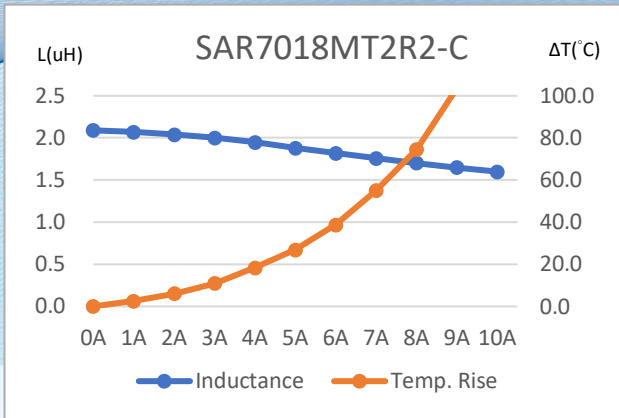
## Characteristics

- 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 : 1MHz ,1 Vrms.
- HIOKI3540
- Wayne Kerr3260+3265B



SAR7018MT2R2-C												
DC BIAS	0A	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	
<b>Inductance</b>	2.09	2.07	2.04	2.00	1.95	1.88	1.82	1.76	1.70	1.65	1.60	
<b>Temp. Rise</b>	0.0	2.6	6.1	10.9	18.4	26.9	38.7	55.0	74.6	103.9	143.9	

SAR7018MT3R3-C										
DC BIAS	0A	1A	2A	3A	4A	5A	6A	7A	8A	9A
<b>Inductance</b>	3.22	3.17	3.08	2.97	2.82	2.70	2.58	2.44	2.35	2.24
<b>Temp. Rise</b>	0.0	3.2	7.6	14.1	23.6	36.5	55.7	84.5	123.0	154.2

SAR7018MT100-C													
DC BIAS	0A	0.5A	1A	1.5A	2A	2.5A	3A	3.5A	4A	4.5A	5A	5.5A	6A
<b>Inductance</b>	9.91	9.88	9.77	9.63	9.40	9.17	8.84	8.53	8.28	7.96	7.65	7.39	7.09
<b>Temp. Rise</b>	0.0	1.10	4.0	8.0	12.6	18.9	27.7	36.9	50.3	67.4	83.4	98.6	129.0

**TAPE AND REEL SPECIFICATIONS**

