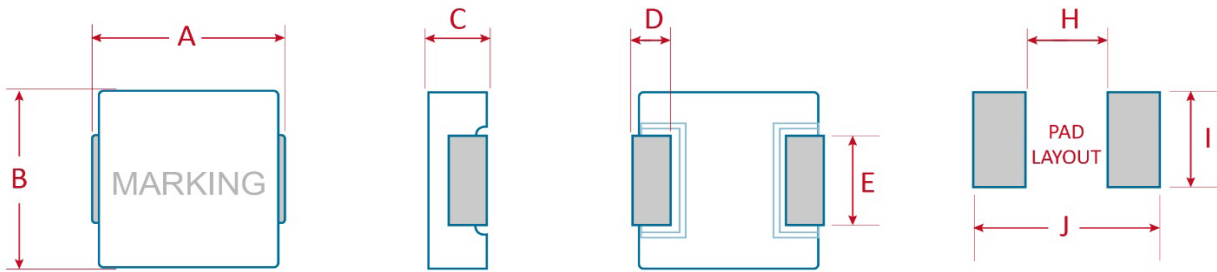


SPECIFICATION FOR APPROVED
樣品承認書

2022
 NEW

機構圖 Shape and Dimensions(mm):



Item	A	B	C	D	E	H	I	J
SAR4015	4.4±0.2	4.0±0.2	1.3±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

SAR4015

Part No.	L(uH)	DCR(mΩ)	Isat(A)	Irms(A)	Tolerance (±%)
		Max.	Typ.	Typ.	
SAR4015MTR12	0.12	7.20	24.0	14.0	±20%
SAR4015MTR22	0.22	8.8	20.0	13.00	±20%
SAR4015MTR33	0.33	14.5	14.0	10.00	±20%
SAR4015MTR47	0.47	22.0	13.0	8.80	±20%
SAR4015MT1R0	1.00	33.5	8.0	5.50	±20%
SAR4015MT1R5	1.50	47.0	7.0	4.20	±20%
SAR4015MT2R2	2.20	62.5	5.50	3.50	±20%
SAR4015MT100	10.00	278.0	2.0	1.20	±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 - 4015 - MT - R33

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

- (1) Type : High Power Inductor
- (2) Size : 4015 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...

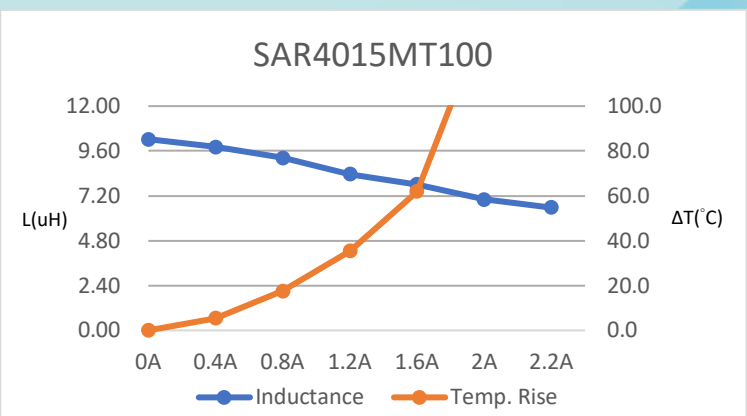
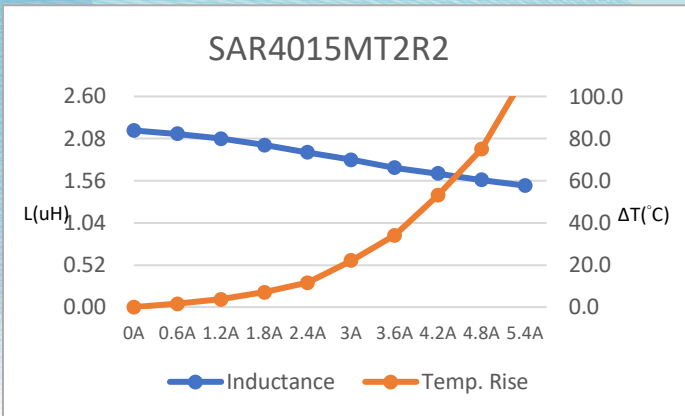
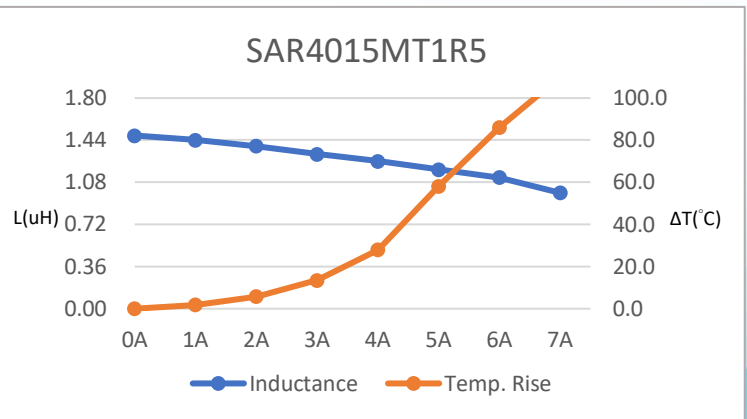
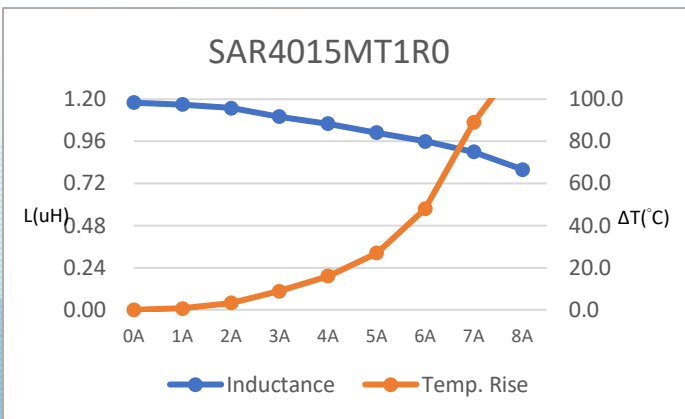
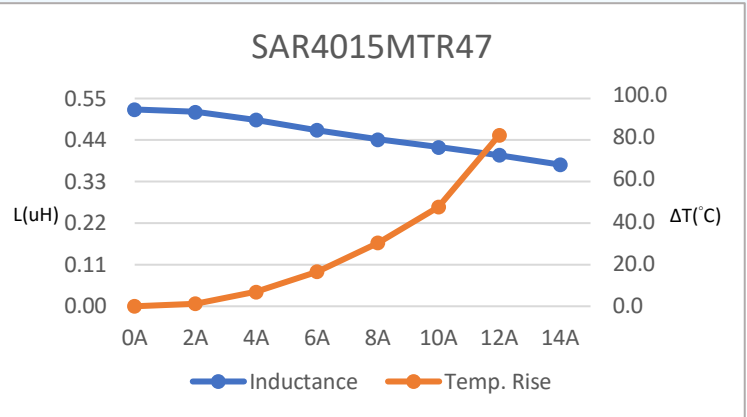
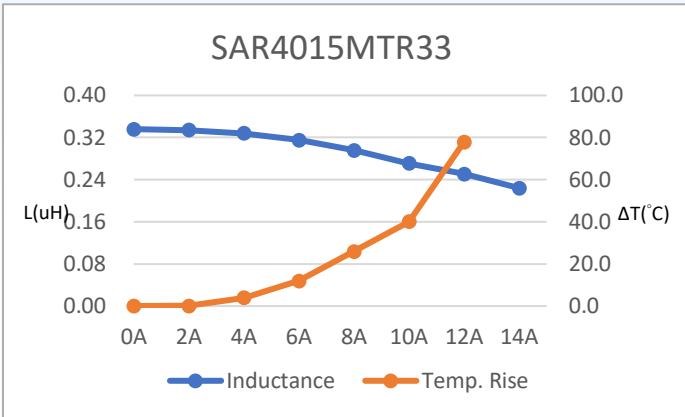
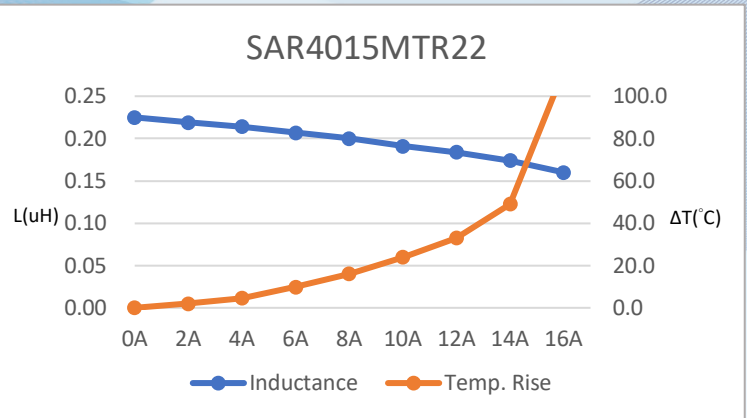
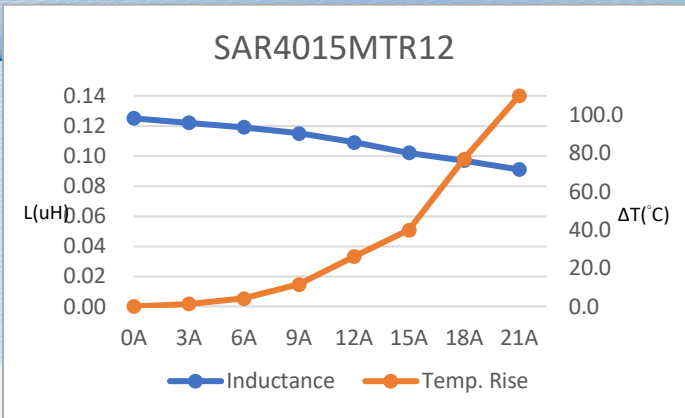
Characteristics

- 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 ΔT 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



SAB0415MTR12

DC BIAS	0A	3A	6A	9A	12A	15A	18A	21A
Inductance	0.125	0.122	0.119	0.115	0.109	0.102	0.097	0.091
Temp. Rise	0.0	1.3	4.2	11.5	26.0	40.0	77.0	110.0

SAR4015MTR22

DC BIAS	0A	2A	4A	6A	8A	10A	12A	14A	16A
Inductance	0.225	0.219	0.214	0.207	0.200	0.191	0.184	0.174	0.160
Temp. Rise	0.0	2.0	4.5	9.8	16.0	24.0	33.0	49.0	112.0

SAR4015MTR33

DC BIAS	0A	2A	4A	6A	8A	10A	12A	14A
Inductance	0.336	0.334	0.328	0.315	0.296	0.271	0.251	0.224
Temp. Rise	0.0	0.15	3.88	12.0	26.0	40.0	77.9	

SAR4015MTR47

DC BIAS	0A	2A	4A	6A	8A	10A	12A	14A
Inductance	0.521	0.515	0.493	0.466	0.442	0.421	0.400	0.375
Temp. Rise	0.0	1.3	6.9	16.4	30.0	47.0	81.0	

SAR4015MT1R0

DC BIAS	0A	1A	2A	3A	4A	5A	6A	7A	8A
Inductance	1.18	1.17	1.15	1.10	1.06	1.01	0.96	0.90	0.80
Temp. Rise	0.0	0.60	3.20	8.90	16.0	27.0	48.0	89.0	120.0

SAR4015MT1R5

DC BIAS	0A	1A	2A	3A	4A	5A	6A	7A
Inductance	1.48	1.44	1.39	1.32	1.26	1.19	1.12	0.99
Temp. Rise	0.0	1.80	5.80	13.50	27.9	58.0	86.0	110.0

SAR4015MT2R2

DC BIAS	0A	0.6A	1.2A	1.8A	2.4A	3A	3.6A	4.2A	4.8A	5.4A
Inductance	2.18	2.14	2.08	2.00	1.91	1.82	1.72	1.65	1.57	1.50
Temp. Rise	0.0	1.50	3.70	7.10	11.60	22.00	34.00	53.00	75.00	110.00

SAR4015MT100

DC BIAS	0A	0.4A	0.8A	1.2A	1.6A	2A	2.2A
Inductance	10.230	9.818	9.230	8.350	7.808	7.001	6.569
Temp. Rise	0.0	5.40	17.50	35.40	62.0	139.0	180.0

TAPE AND REEL SPECIFICATIONS

