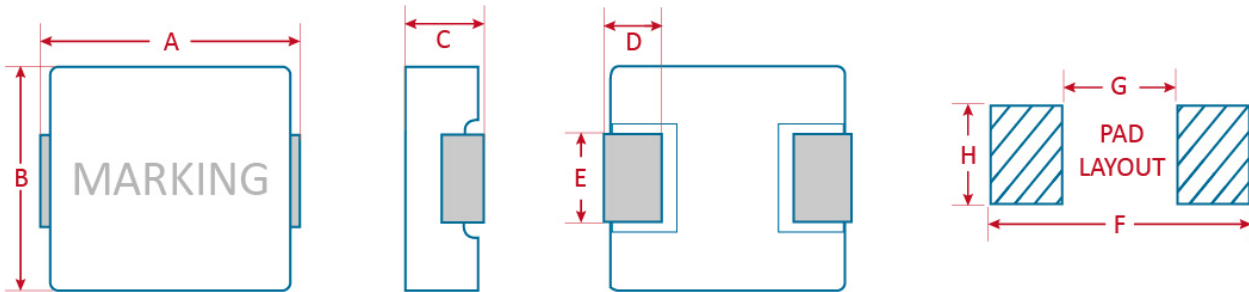


SPECIFICATION FOR APPROVED 樣品承認書

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機構圖 Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G	H
SAR3015	3.4 ± 0.2	3.0 ± 0.2	1.3 ± 0.2	0.7 ± 0.3	1.3 ± 0.3	4.2 Typ.	1.2 Typ.	2.0 Typ.

印字Marking：印字顏色因生產設備而有所差異

SAR3015

Part No.	L(uH)	DCR(mΩ)		Isat(A)	Irms(A)	Tolerance (±%)
		Typ.	Max.	Typ.	Typ.	
SAR3015MTR22	0.22	10.7	13.0	14.0	11.0	±20%
SAR3015MTR33	0.33	15.0	18.0	13.0	8.5	±20%
SAR3015MTR47	0.47	19.0	22.0	9.0	7.0	±20%
SAR3015MT1R0	1.00	36.0	42.0	6.2	4.5	±20%
SAR3015MT1R5	1.50	50.0	60.0	5.8	3.8	±20%
SAR3015MT2R2	2.20	72.0	85.0	5.0	3.2	±20%
SAR3015MT3R3	3.30	92.0	110.0	3.5	2.2	±20%
SAR3015MT100	10.00	313.0	360.0	2.0	1.2	±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 - 3015 - MT - R33

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

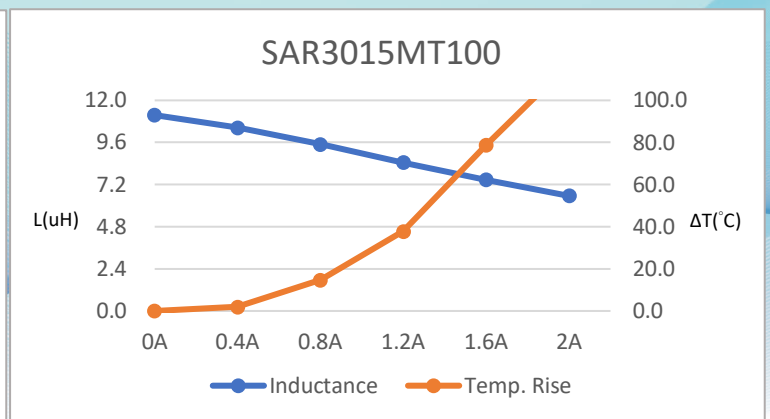
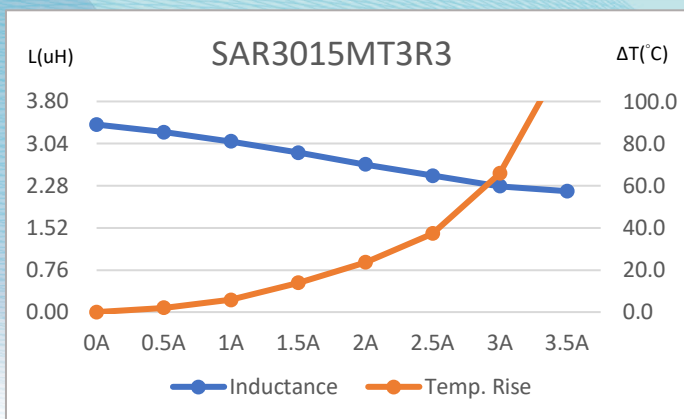
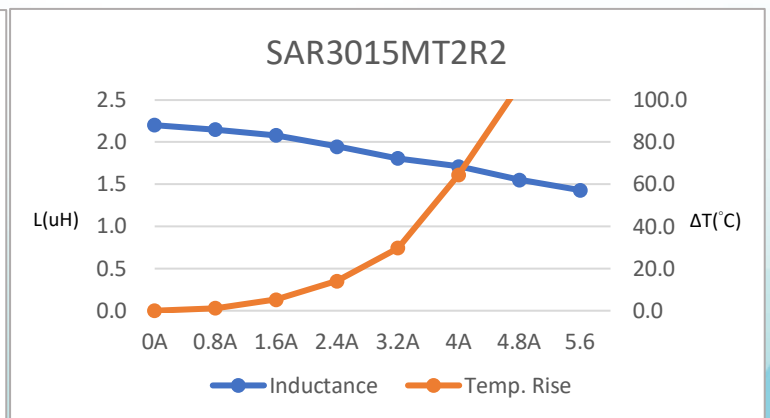
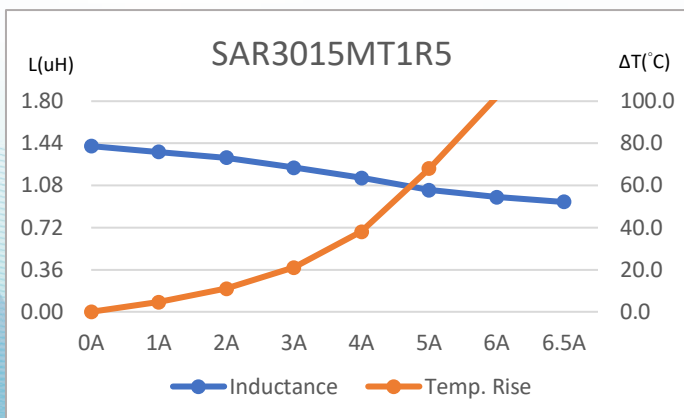
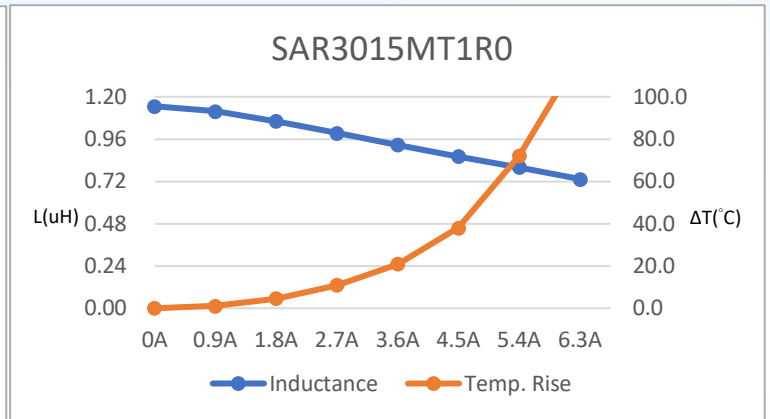
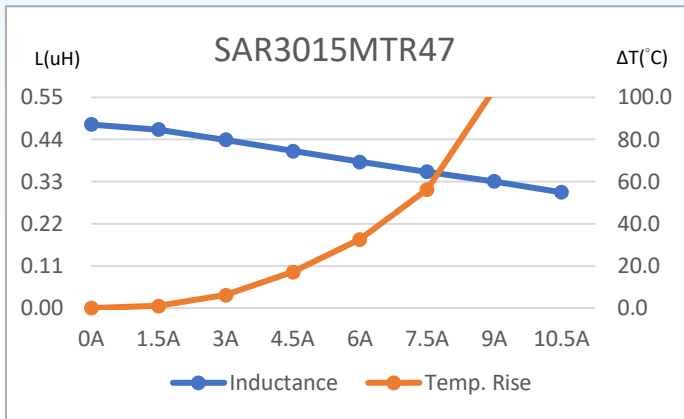
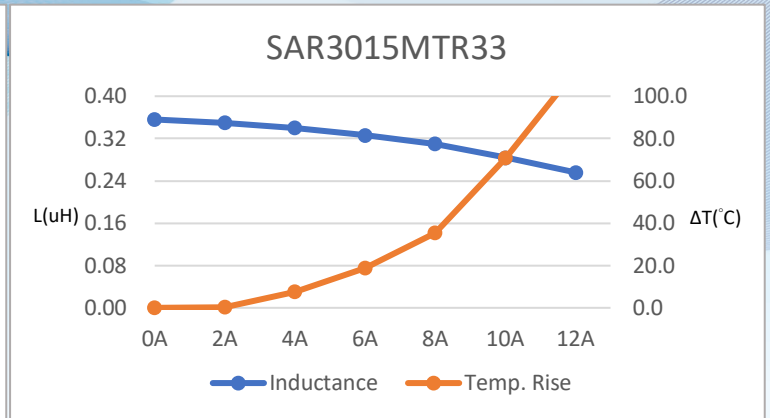
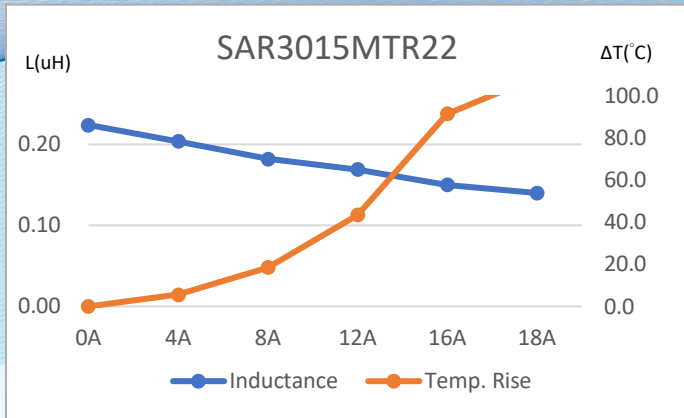
- (1) Type : High Power Inductor
- (2) Size : 3015 is size
- (3) Tolerance : M=20%
- (4) Packaging style : Taping Reel
- (5) Inductance : R33 for 0.33uH,1R0 for 1.0uH,2R2 for 2.2uH...

Characteristics

- All test data is referred to 20°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

Test equipment

- Test Frequency : 1MHz ,1.0 Vrms.
- L :WK3260B
- DCR : HIOKI RM 3545



SAR3015MTR22

DC BIAS	0A	4A	8A	12A	16A	18A
Inductance	0.224	0.204	0.182	0.169	0.150	0.140
Temp. Rise	0.0	5.57	18.49	43.50	91.50	109.0

SAR3015MTR33

DC BIAS	0A	2A	4A	6A	8A	10A	12A
Inductance	0.356	0.350	0.340	0.326	0.310	0.284	0.256
Temp. Rise	0.00	0.35	7.60	18.80	35.50	70.80	112.00

SAR3015MTR47

DC BIAS	0A	1.5A	3A	4.5A	6A	7.5A	9A	10.5A
Inductance	0.479	0.466	0.439	0.410	0.382	0.356	0.331	0.302
Temp. Rise	0.00	1.03	6.22	17.10	32.60	56.30	104.00	150.00

SAR3015MT1R0

DC BIAS	0A	0.9A	1.8A	2.7A	3.6A	4.5A	5.4A	6.3A
Inductance	1.146	1.118	1.061	0.993	0.926	0.862	0.800	0.733
Temp. Rise	0.0	1.100	4.600	10.929	20.980	38.000	72.040	120.00

SAR3015MT1R5

DC BIAS	0A	1A	2A	3A	4A	5A	6A	6.5A
Inductance	1.416	1.367	1.316	1.231	1.144	1.041	0.981	0.938
Temp. Rise	0.00	4.600	10.929	20.98	38.00	68.00	102.04	128.00

SAR3015MT2R2

DC BIAS	0A	0.8A	1.6A	2.4A	3.2A	4A	4.8A	5.6
Inductance	2.202	2.149	2.082	1.949	1.809	1.712	1.555	1.431
Temp. Rise	0.00	1.28	5.33	14.10	29.80	64.50	107.00	123.00

SAR3015MT3R3

DC BIAS	0A	0.5A	1A	1.5A	2A	2.5A	3A	3.5A
Inductance	3.383	3.246	3.079	2.877	2.664	2.461	2.271	2.181
Temp. Rise	0.0	2.07	5.88	13.90	23.60	37.20	65.90	123.00

SAR3015MT100

DC BIAS	0A	0.4A	0.8A	1.2A	1.6A	2A
Inductance	11.160	10.445	9.504	8.454	7.476	6.556
Temp. Rise	0.0	1.99	14.63	37.80	78.90	117.40

TAPE AND REEL SPECIFICATIONS

