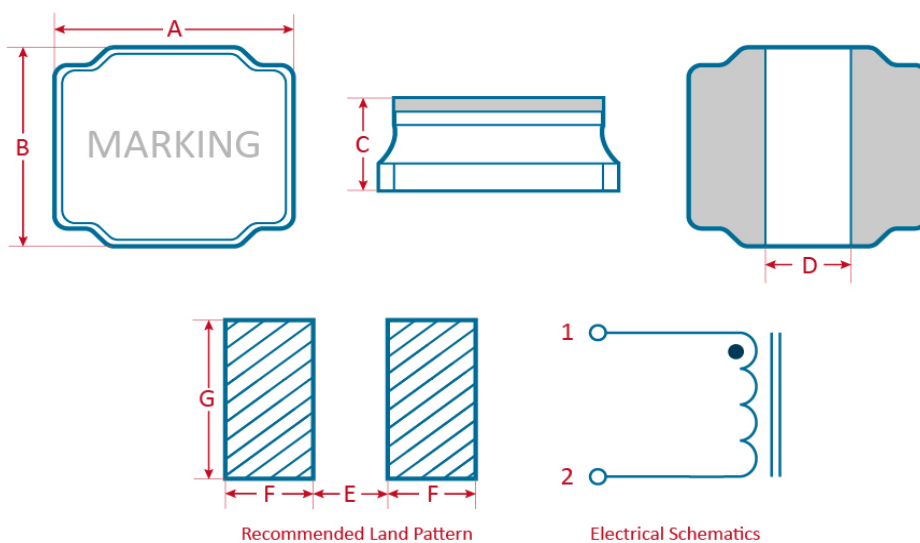




# SPECIFICATION FOR APPROVED 樣品承認書

2022  
NEW

## 機構圖 Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G
規格 Spec.	6.0±0.3	6.0±0.3	4.7 Max.	2.5 Typ.	1.8 Typ.	2.4 Typ.	5.7 Typ.
實測值 Typ.							

印字Marking: (印字顏色因生產設備而有所差異)

## HNT6045-A

Part No.	L(uH)	DCR(Ω)	Isat(A)	Irms(A)	SRF(MHz)	Tolerance (±%)
		±30%	Typ.	Typ.	Min.	
HNT6045NT1R0-A	1.0	0.011	9.85	5.14	100	±30%
HNT6045NT1R5-A	1.5	0.012	8.80	4.95	65	±30%
HNT6045NT2R2-A	2.2	0.014	6.75	4.60	52	±30%
HNT6045NT3R3-A	3.3	0.024	5.90	3.70	32	±30%
HNT6045MT4R7-A	4.7	0.031	4.97	3.30	24	±20%
HNT6045MT6R8-A	6.8	0.035	3.90	3.00	20	±20%
HNT6045MT100-A	10	0.048	3.20	2.45	15	±20%
HNT6045MT150-A	15	0.068	2.50	2.05	12	±20%
HNT6045MT220-A	22	0.089	2.05	1.80	10	±20%
HNT6045MT330-A	33	0.137	1.65	1.45	7.8	±20%
HNT6045MT470-A	47	0.200	1.40	1.20	6.4	±20%
HNT6045MT560-A	56	0.221	1.30	1.10	6.4	±20%
HNT6045MT680-A	68	0.289	1.20	1.00	6.4	±20%
HNT6045MT101-A	100	0.433	0.95	0.80	4.2	±20%
HNT6045MT121-A	120	0.484	0.85	0.77	4.2	±20%
HNT6045MT151-A	150	0.580	0.80	0.70	4.2	±20%
HNT6045MT221-A	220	0.834	0.70	0.59	3.5	±20%
HNT6045MT331-A	330	1.270	0.57	0.57	2.8	±20%

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Part No.	L(uH)	DCR( $\Omega$ ) $\pm 30\%$	Isat(A) Typ.	Irms(A) Typ	SRF(MHz) Min.	Tolerance ( $\pm\%$ )
HNT6045MT471-A	470	1.800	0.50	0.42	2.0	$\pm 20\%$
HNT6045MT681-A	680	2.500	0.42	0.33	1.7	$\pm 20\%$
HNT6045MT102-A	1000	4.500	0.30	0.30	1.4	$\pm 20\%$

## Ordering information

HNT- 6045 - MT - 1R0 - A

(1) (2) (3)(4) (5) (6)

- (1) Type : Power Inductor
- (2) Size : 6045 is size
- (3) Tolerance : M=20%, N=30%
- (4) Packaging style : Taping Reel
- (5) Inductance : 1R0 for 1.00uH,2R2 for 2.2uH...
- (6) A : Dodecagon

## Characteristics

- 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

## Test equipment

- Test Frequency : 100KHz ,1.0V

**TAPE AND REEL SPECIFICATIONS**

