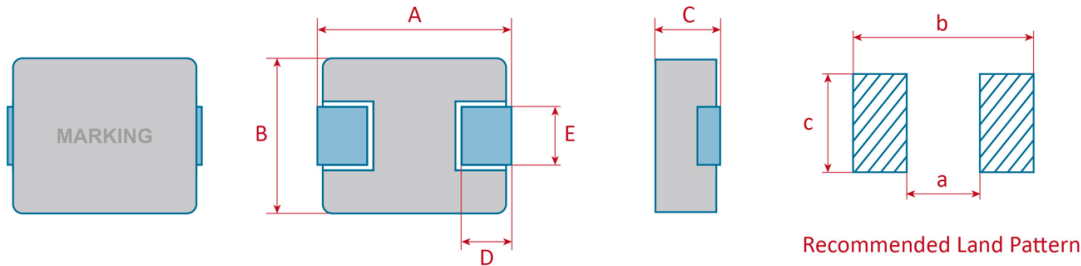


SPECIFICATION FOR APPROVED 樣品承認書

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NEW

機構圖 Shape and Dimensions(mm) :



Recommended Land Pattern



Item	A	B	C	D	E	a	b	c
SAR1030	11.5 Max.	10.0 ± 0.3	2.8 ± 0.2	2.0 ± 0.5	3.0 ± 0.5	5.4 Typ.	13.6 Typ.	4.1 Typ.

印字Marking : 印字顏色因生產設備而有所差異

SAR1030

Part No.	Inductance L0 (μH)	DC Resistance DCR (mΩ)	Saturation Current Isat (A)	Heating Rating Current Irms (A)
	±20 %, 100 kHz, 1V	Max.	Typ.	Typ.
SAR1030MTR22	0.22	1.2	50	33
SAR1030MTR33	0.33	1.6	32	23
SAR1030MTR36	0.36	1.6	28	23
SAR1030MTR47	0.47	2.5	26	22
SAR1030MT1R0	1.0	6	21	15
SAR1030MT1R5	1.5	7.5	20	13
SAR1030MT2R2	2.2	9	14	11
SAR1030MT3R3	3.3	16	12	9
SAR1030MT4R7	4.7	24	10	7
SAR1030MT8R2	8.2	45	7	5
SAR1030MT100	10	55	7	5
SAR1030MT150	15	65	6	4
SAR1030MT220	22	99	5	3
SAR1030MT330	33	160	4	2.6

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Ordering information

SAR - 1030 - MT - R22

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

- (1) Type : High Power Inductor
- (2) Size : 1030 is size
- (3) Tolerance : M=20%
- (4) Packaging style : Taping Reel
- (5) Inductance : R22 for 0.22uH,1R0 for 1.0uH,100 for 10uH...

Characteristics

- All test data is referenced to 25 °C ambient
- Isat(A):DC current (A) that will cause LO to drop approximately 30 %
- Irms (A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C)
- Operating temperature range - 55 °C to + 125 °C

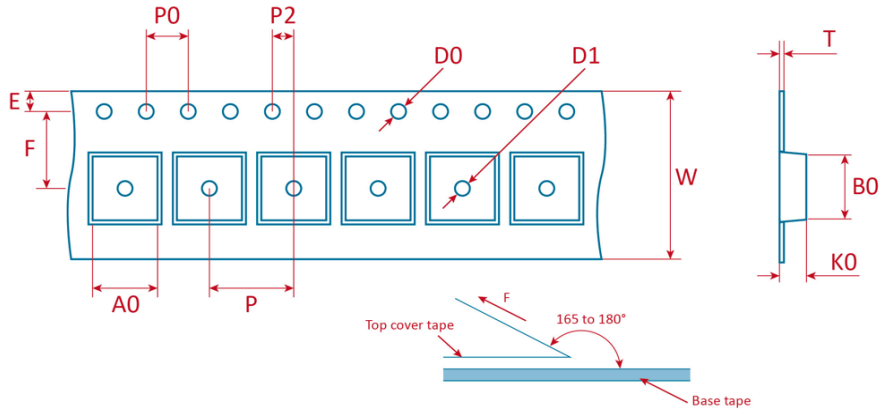
註 : Absolute maximum voltage 30VDC

Test equipment

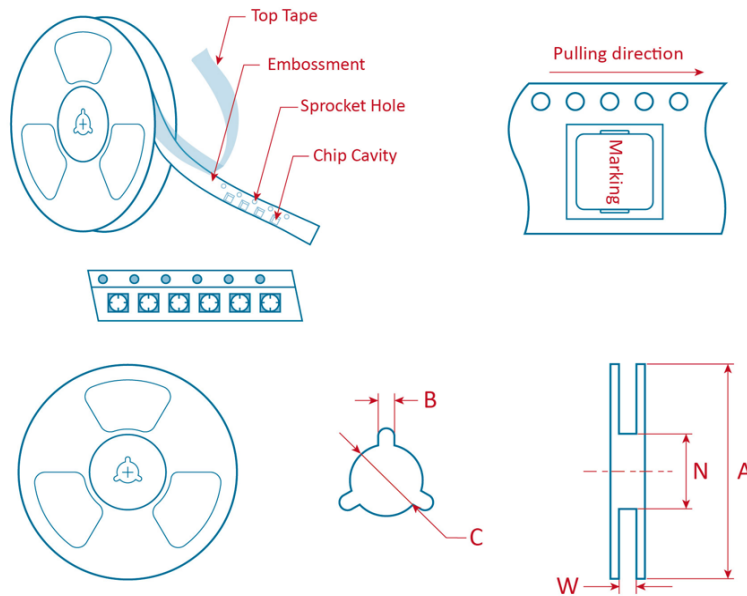
- Inductance: HP 4284A or equivalent at 100KHz /1V
- D.C.R : Chroma 16502 or equivalent. (Ta= 25°C)
- Saturation current: WK 3260B+3265B or equivalent

TAPE AND REEL SPECIFICATIONS

Dimensions in mm



Type	W	P	P0	P2	D0	D1	T	A0	B0	K0	E	F
SAR1030	24	16	4	2	1.5	1.5	0.35	10.4	11.6	3.3	1.75	11.5
	±0.3	±0.1	±0.1	±0.05	±0.1	±0.1	±0.05	±0.1	±0.1	±0.1	±0.1	±0.1



Type	A	W	N	B	C
SAR1030	330±2.0	24±0.5	97±0.5	2.2±0.5	13.0±0.2

Packing Quantity

800 Pcs / Reel