SPECIFICATION FOR APPROVAL

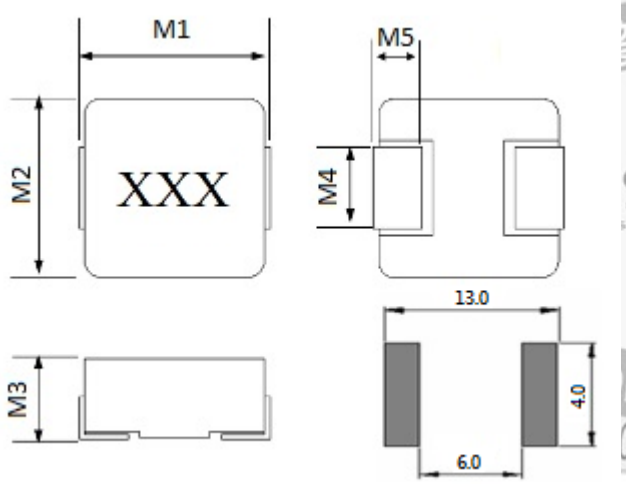
※This is a RoHS and REACH compliant product whose related documents are available on request.
※Graphic is only for dimensionally application.

1. PART NUMBERING IDENTIFICATION

MCS 1040 - □□□ □ N1

- N1 — CONTROL NO.
- □ — TOLERANCE
- □□□ — INDUCTANCE
- 1040 — DIMENSIONS
- MCS — PRODUCT SYMBOL

2. MECHANICAL DIMENSION



UNIT: mm

	DIM.	TOL.
M1	11.0	±0.5
M2	10.0	±0.3
M3	3.8	±0.2
M4	2.8	±0.5
M5	2.0	±0.5

3. MARKING

Marking ex:1.0uH ➔1R0

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4. ELECTRICAL SPECIFICATION

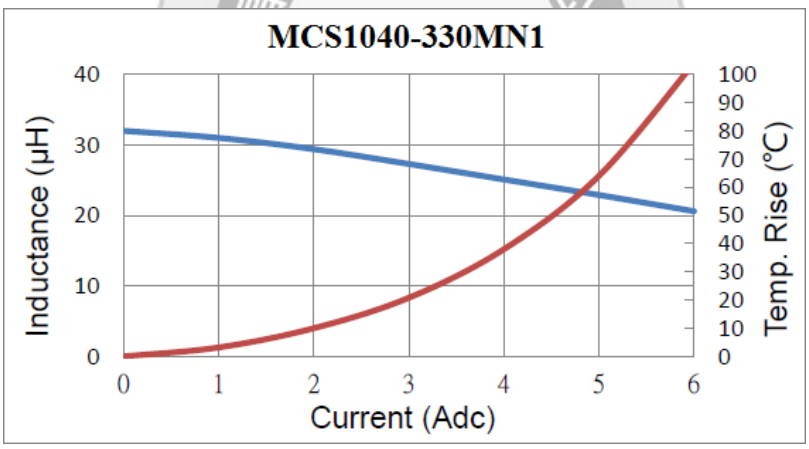
Part number	Inductance (μH) ±20%	DC Resistance (mΩ) Typical	DC Resistance (mΩ) MAX.	Idc (A) Typical	I sat (A) Typical	Rated Voltage (Vdc) MAX.
MCS1040-330MN1	33.0	85.0	92.0	4.4	5.0	50

TEST INSTRUMENT: Inductance: WK3260B,HP4284A,CH3302; DC Resistance: CH16502 Micro-Ohm Meter; Idc & I sat: WK3260B/WK3265B(BIAS)

NOTE:

1. Test Freq.: 100KHz, 1.0V
2. All test data is referenced to 25℃ ambient.
3. Operating Temperature Range -55℃~+125℃.
4. Storage Temperature Range: 25℃~35℃, <70% R.H.
5. Idc: DC current (A) that will cause an approximate ΔT of 40℃.
6. I sat: DC current (A) that will cause Lo to drop approximately 30%.
7. The Part temperature should not exceed 125℃ under worst case operating condition.
   Part temperature should be checked and verified by the application developer(s) as the performance of the part might be affected.
8. MSL: Level 1

5. ELECTRICAL CURVE



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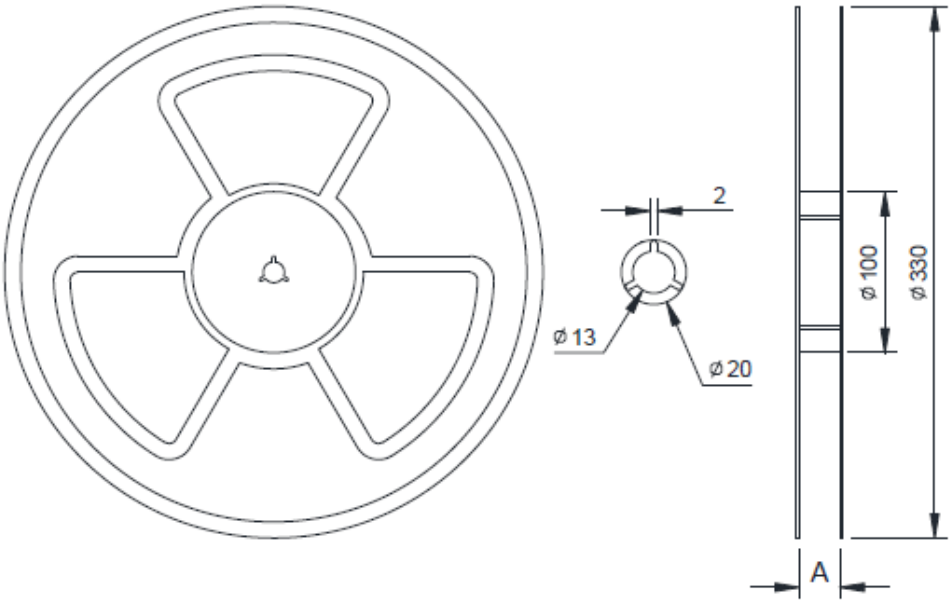
6. PACKING

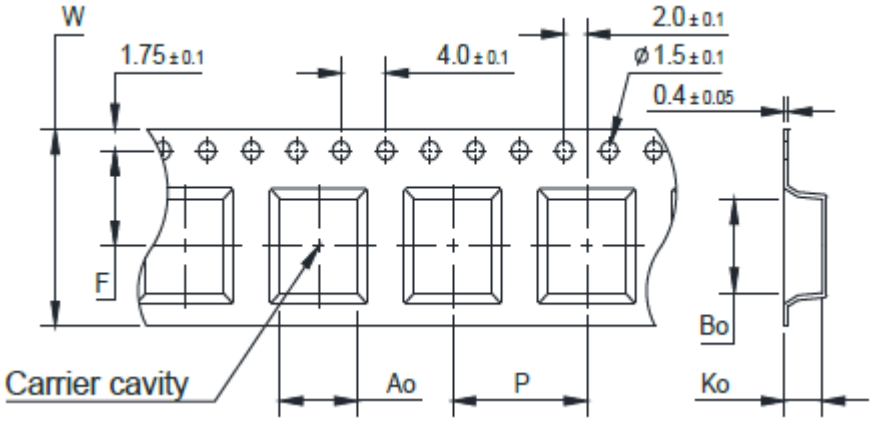
6-1. Reel Dimensions



UNIT: mm

A
25

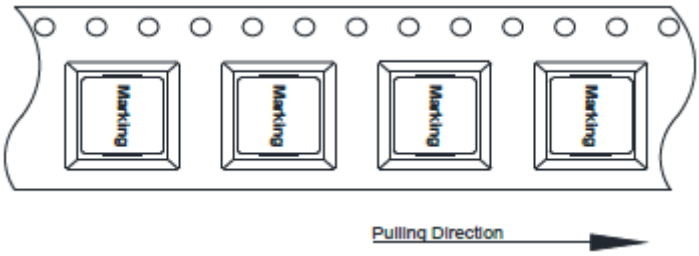
6-2. Carrier Tape Dimensions



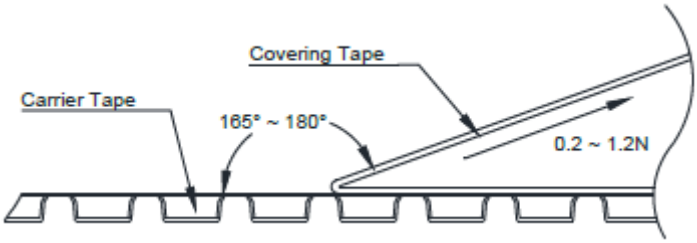
UNIT: mm

Ao	Bo	Ko	F	P	W
11.0±0.1	13.0±0.1	4.7±0.1	11.5±0.1	16.0±0.1	24.0±0.3

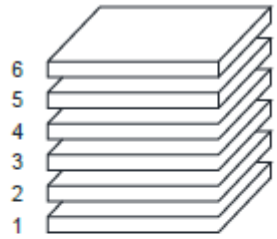
6-3. Taping Direction

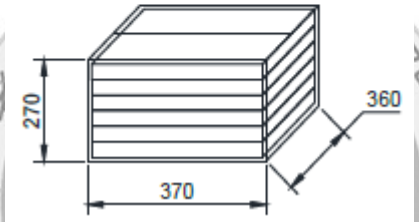


6-4. Peel Force of Top Covering Tape



6-5. Packing Quantity





6/Six	**Reels / Carton**
800/0.80K	**Pieces / Reel**
4800/4.80K	**Pieces / Carton**