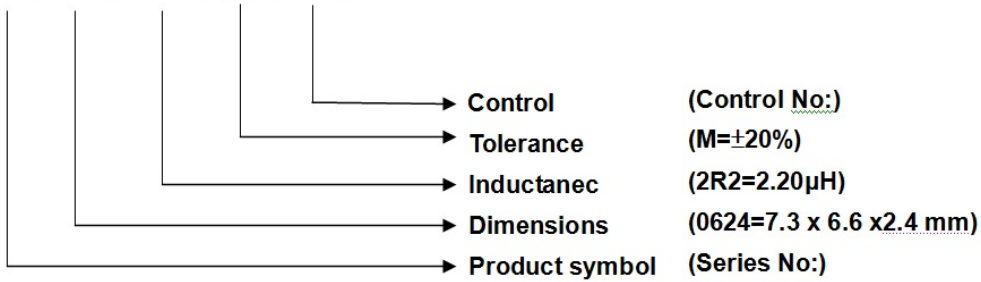


SPECIFICATION FOR APPROVAL

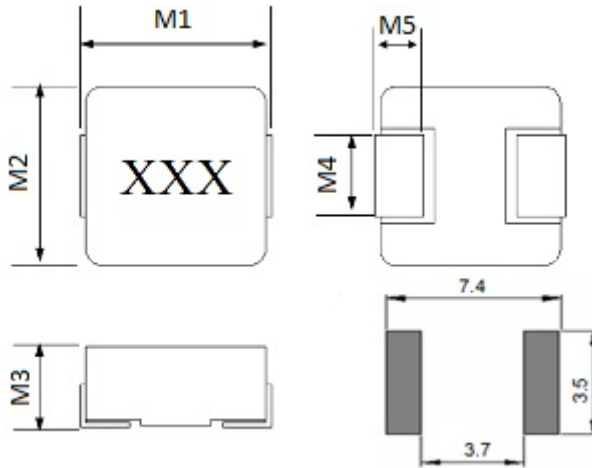
- ※This is a RoHS and REACH compliant product whose related documents are available on request.
- ※Graphic is only for dimensionally application.

1. PART NUMBERING IDENTIFICATION

MCS 0624 □□□ □ □□



2. MECHANICAL DIMENSION



UNIT: mm

	DIM.	TOL.
M1	7.3	MAX.
M2	6.6	±0.2
M3	2.4	MAX.
M4	3.0	±0.3
M5	1.6	±0.3

3. MARKING

Marking ex:1.0uH → 1R0



SPECIFICATION FOR APPROVAL

4. ELECTRICAL SPECIFICATION

Part number	Inductance (μ H) $\pm 20\%$	DC Resistance (m Ω) Typical	DC Resistance (m Ω) MAX.	Rated Current (A) Typical	I sat (A) Typical
MCS0624-R22MN1	0.22	2.9	3.2	21.0	34.0
MCS0624-R47MN1	0.47	6.0	6.5	13.5	21.0
MCS0624-1R0MN1	1.0	11.0	12.1	9.0	16.0
MCS0624-1R5MN1	1.5	18.5	21.2	7.5	15.0
MCS0624-2R2MN1	2.2	28.0	34.0	6.5	14.0
MCS0624-6R8MN1	6.8	72.5	95.0	3.6	7.0
MCS0624-100MN1	10.0	115.6	129.0	2.5	6.0

TEST INSTRUMENT: CHROMA 16502、Zentech1320+Zentech3305

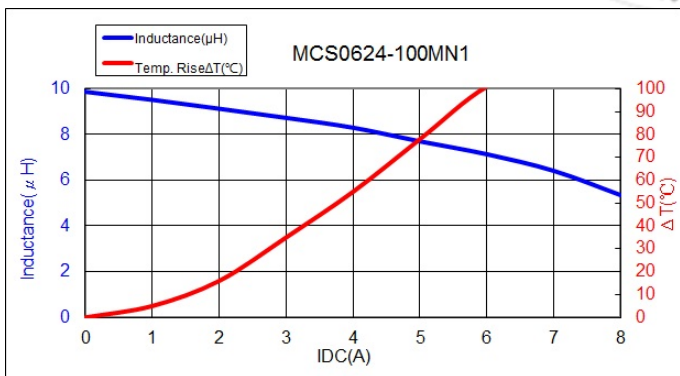
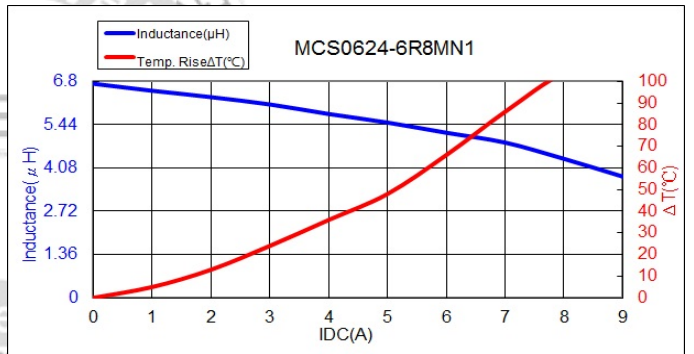
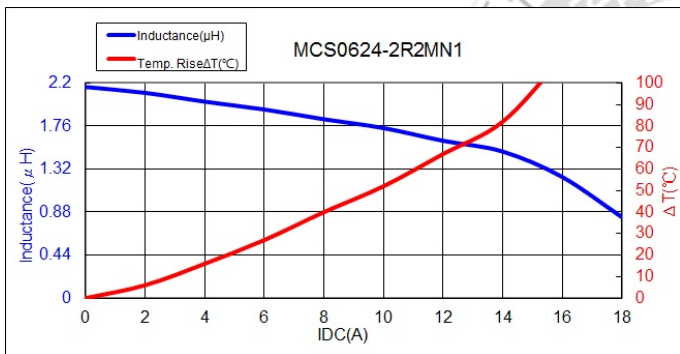
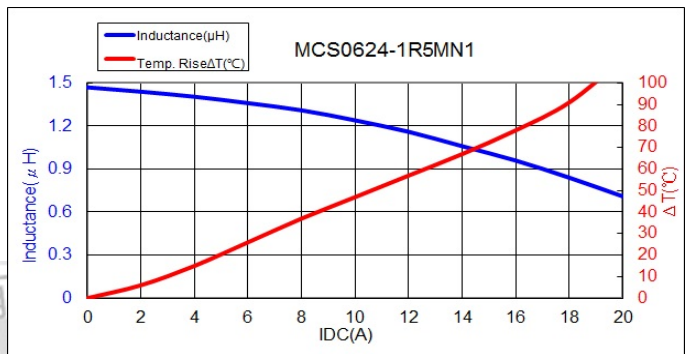
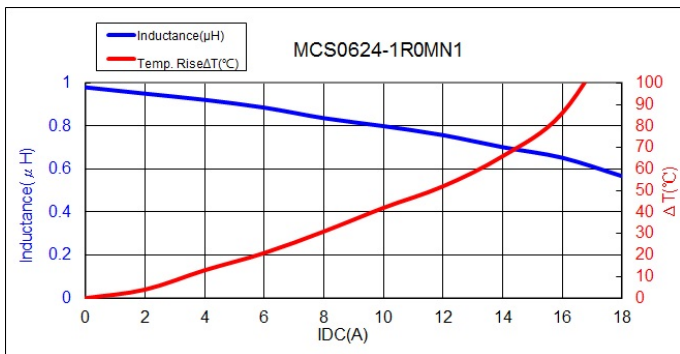
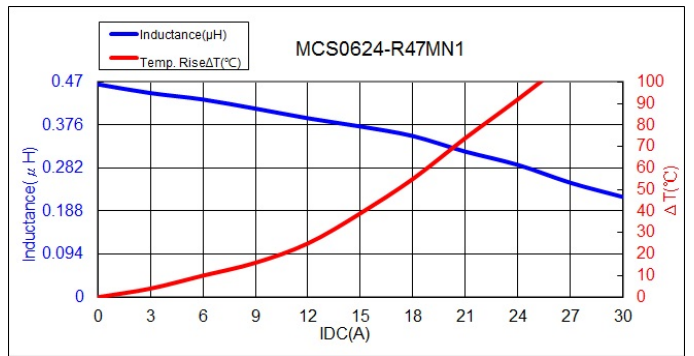
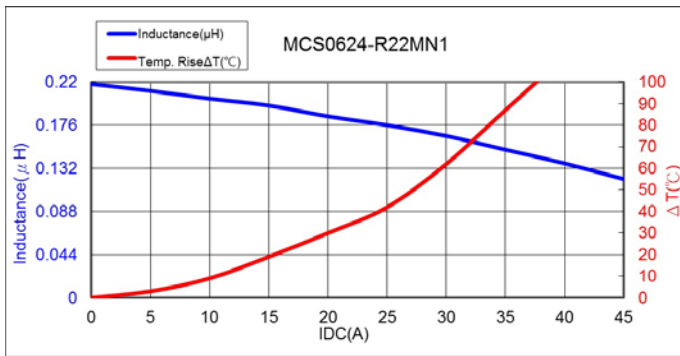
NOTE:

1. Test Freq.: 100KHz, 1V
2. All test data is referenced to 25°C ambient.
3. Operating Temperature Range -25°C~+125°C.
4. Storage Temperature Range: -20°C~+40°C(<60% R.H.).
5. Rated Current: DC current(A)that will cause an approximate Δ T of 40°C.
6. I sat: DC current (A) that will cause Lo to drop approximately 30%.
7. The part temperature(ambient +temp rise)should not exceed 125°C under worst case operating conditions.
8. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature Part temperature should be verified.
9. MSL: Level 1



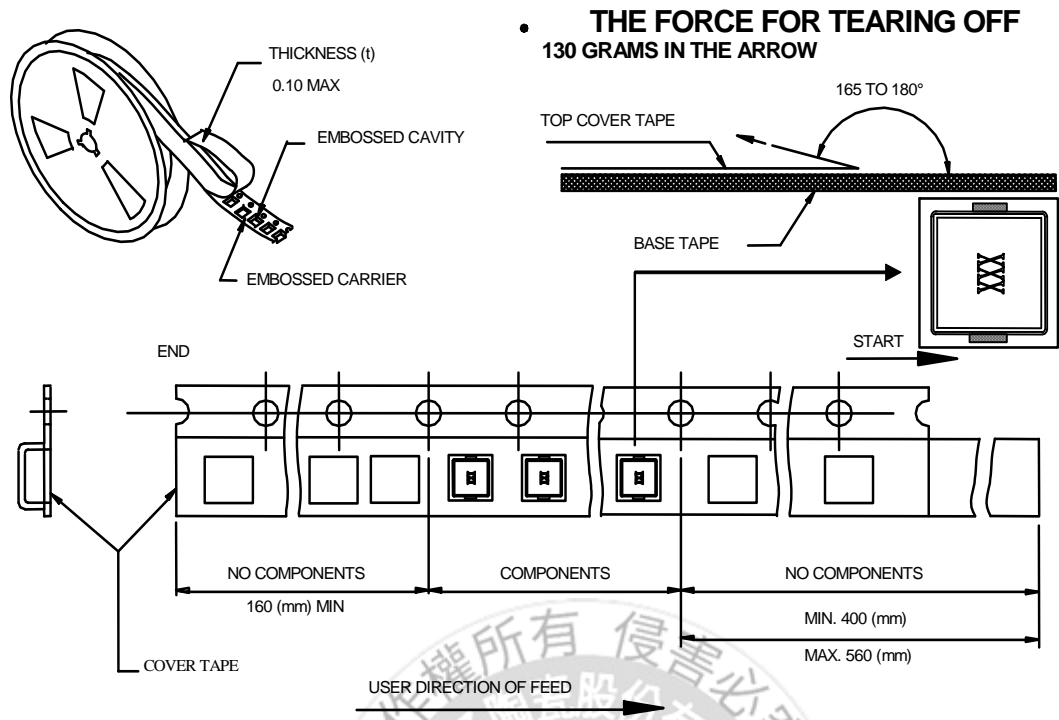
SPECIFICATION FOR APPROVAL

5. ELECTRICAL CURVE



SPECIFICATION FOR APPROVAL

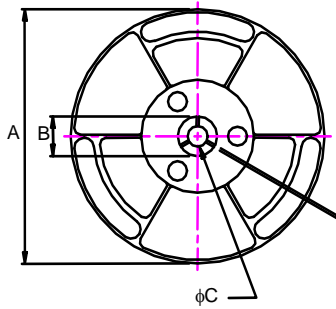
6. PACKING



• THE FORCE FOR TEARING OFF
130 GRAMS IN THE ARROW

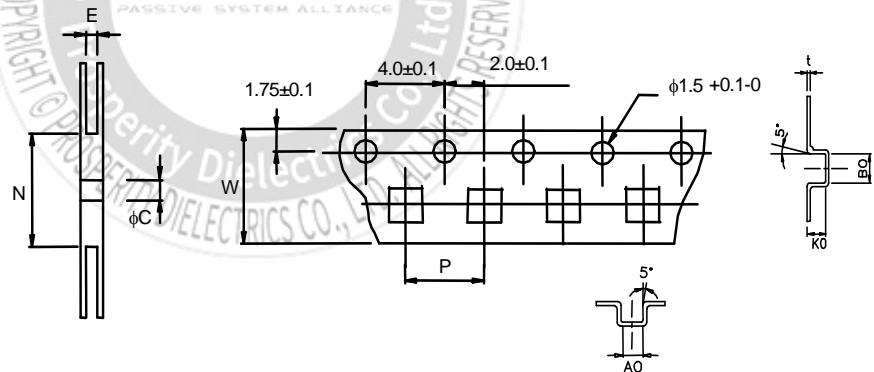
■ CARRIER TAPE REELS (mm)

MATERIAL: PLASTIC



1000 Parts per Reel

■ DIMENSIONS OF CARRIER TAPE (mm)



※ 10 sprocket hole pitch cumulative tolerance ± 0.20

UNIT: mm

	A	B	C	E	N	P	W	t	A0	B0	K0
DIM.	330	25.0	13.0	16.6	100	12.0	16.0	0.4	6.9	7.6	2.4
TOL.	± 0.2	± 0.5	± 0.5	± 0.5	MIN	± 0.1	± 0.3	± 0.05	± 0.1	± 0.1	± 0.1