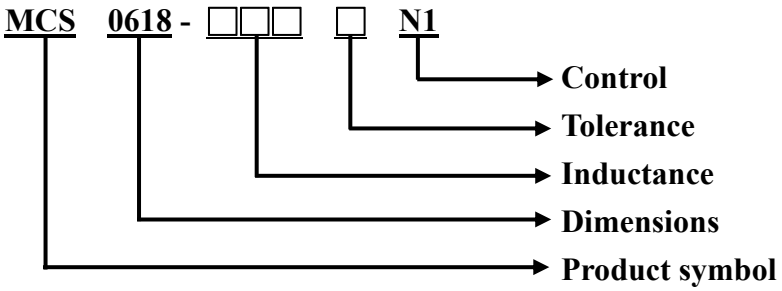
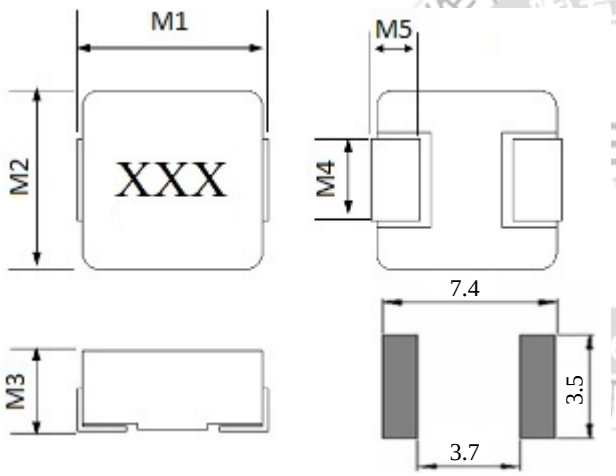
SPECIFICATION FOR APPROVAL

※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



2. MECHANICAL DIMENSION

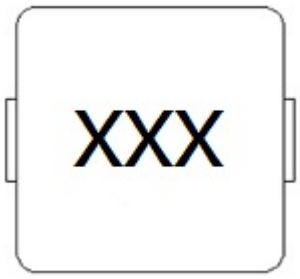


UNIT: mm

	DIM.	TOL.
M1	7.1	±0.3
M2	6.6	±0.3
M3	1.8	MAX.
M4	3.0	±0.3
M5	1.6	±0.5

3. MARKING

XXX = Inductance code



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4. ELECTRICAL SPECIFICATION

Part number	Inductance (uH) ±20%	DC Resistance (mΩ) Typical	DC Resistance (mΩ) MAX.	Rated Current (A) Typical	I sat (A) Typical
MCS0618-R10MN1	0.10	3.0	3.5	18	40
MCS0618-R47MN1	0.47	8.4	9.3	11	18
MCS0618-R68MN1	0.68	12.7	13.9	9	17
MCS0618-1R0MN1	1.0	17.5	18.3	7	14

TEST INSTRUMENT: Zentech-3305 / Zentech502BC

NOTE:

1. Test Freq.: 100KHz, 1.0V
2. All test data is referenced to 25℃ ambient
3. Operating Temperature Range -25℃ to +125℃
4. Storage Temperature Range: -20℃~+40℃(<60% R.H.).
5. Typical Heat Rating DC Current would cause an approximately ΔT of 40℃
6. Typical Saturation DC Current would cause Lo to drop approximately 30%
7. The Part temperature (ambient + ΔT) should not exceed 125℃ under worst case operating conditions
8. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Part temperature should be verified in the end application.
9. MSL: Level 1

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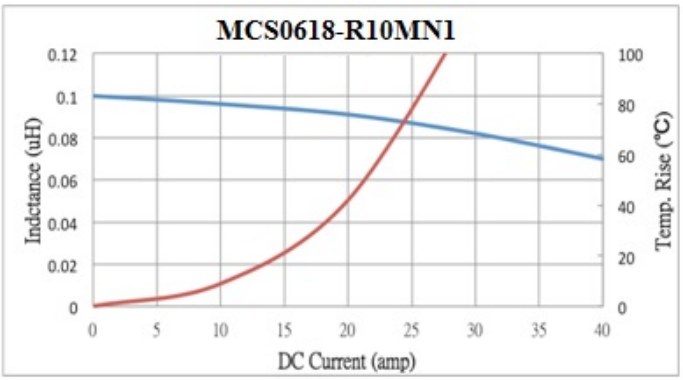
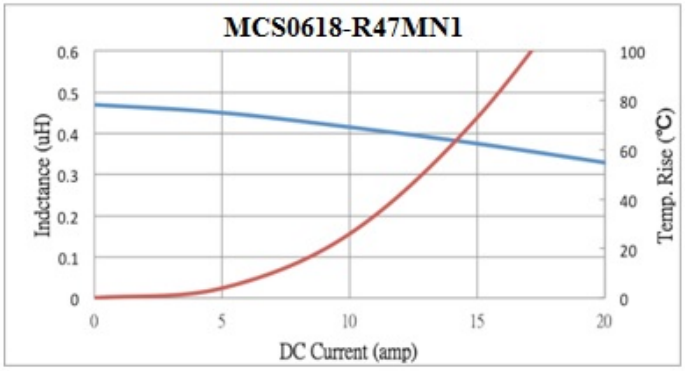
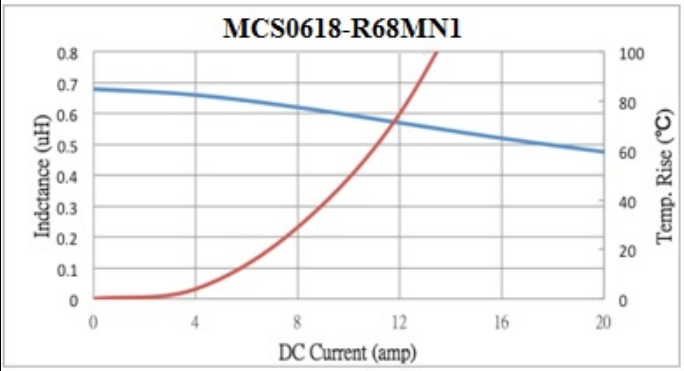
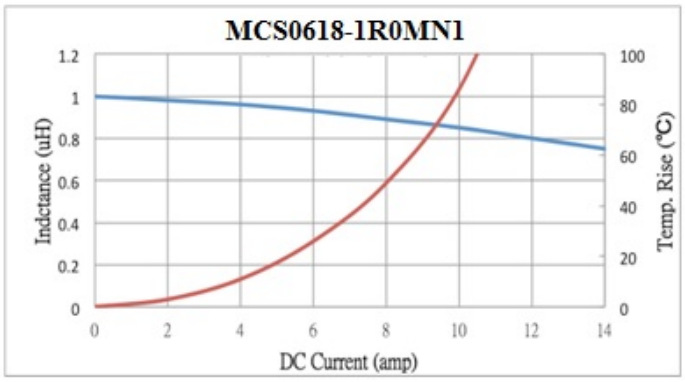
5. ELECTRICAL CURVE









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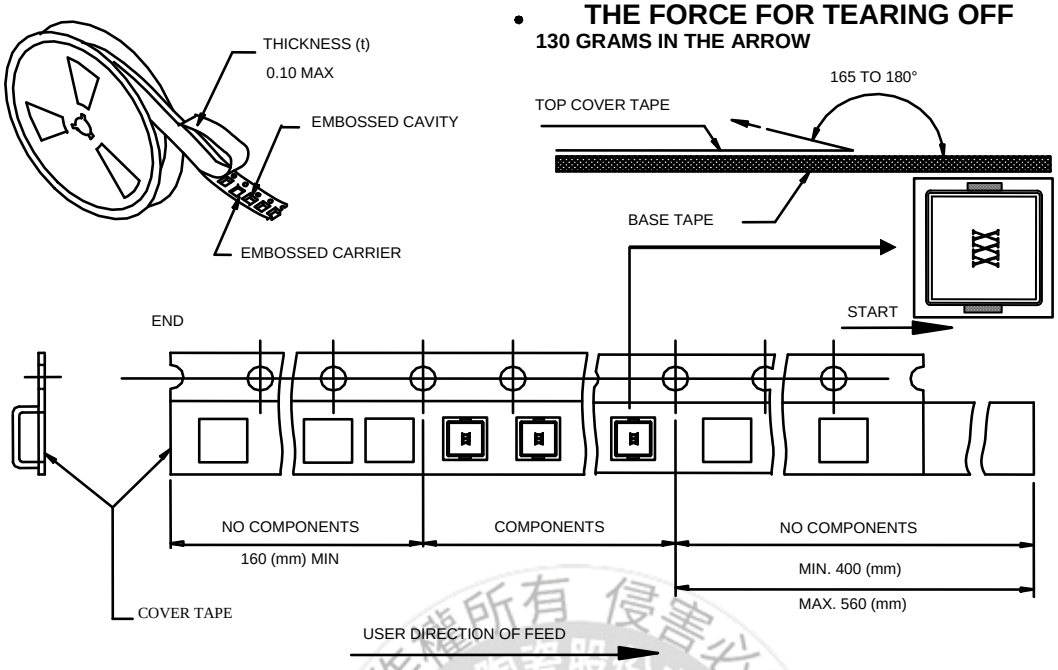
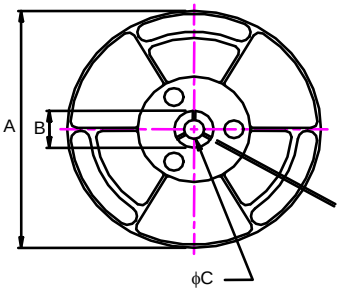
6. PACKING

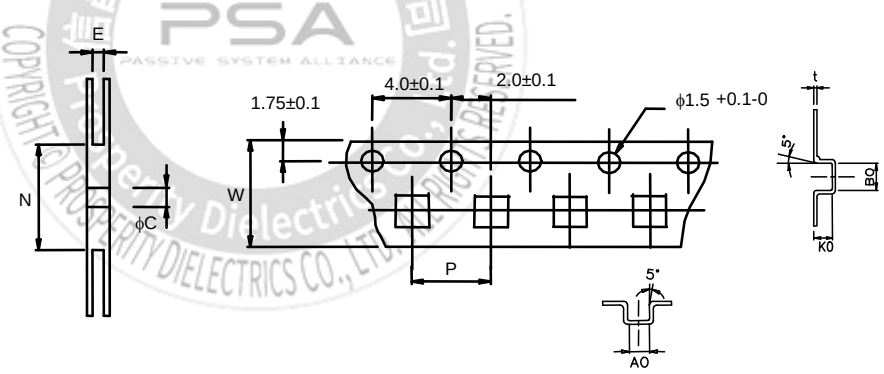


CARRIER TAPE REELS (mm)

MATERIAL: PLASTIC



DIMENSIONS OF CARRIER TAPE (mm)



※ 10 sprocket hole pitch cumulative tolerance ±0.20

2000 Parts per Reel

UNIT: mm

	A	B	C	E	N	P	W	t	A0	B0	K0
DIM.	330	25	13	16.6	100	12	16	0.3	7	7.8	2.1
TOL.	±0.2	±0.5	±0.5	±0.5	MIN.	±0.1	±0.3	±0.05	±0.1	±0.1	±0.1