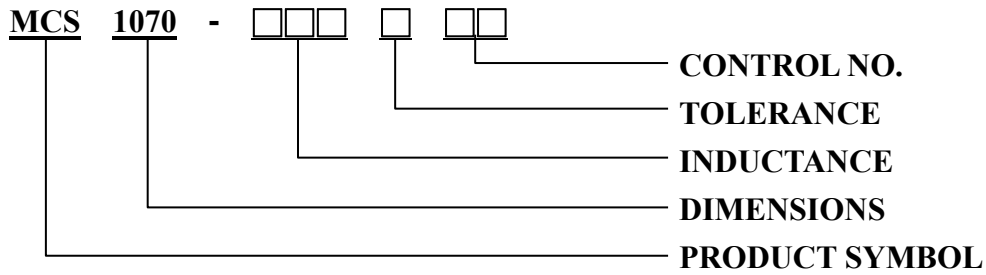


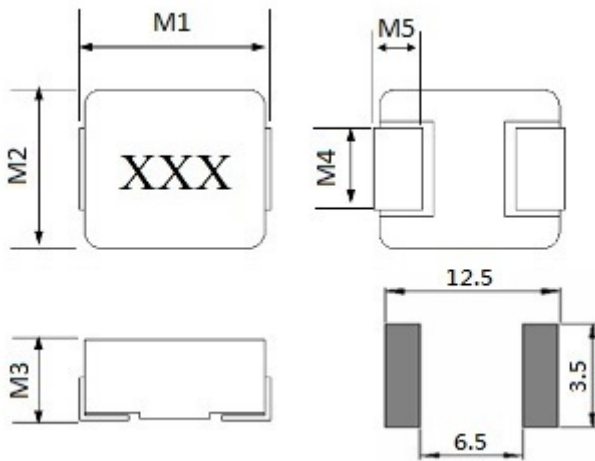
# SPECIFICATION FOR APPROVAL

- ※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

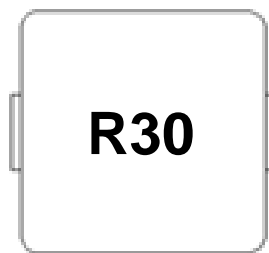


UNIT: mm

	DIM.	TOL.
M1	11.2	±0.3
M2	7.0	±0.2
M3	4.8	±0.2
M4	3.0	±0.5
M5	2.0	±0.5

## 3. MARKING

Marking ex:0.33uH →R33



# SPECIFICATION FOR APPROVAL

## 4. ELECTRICAL SPECIFICATION

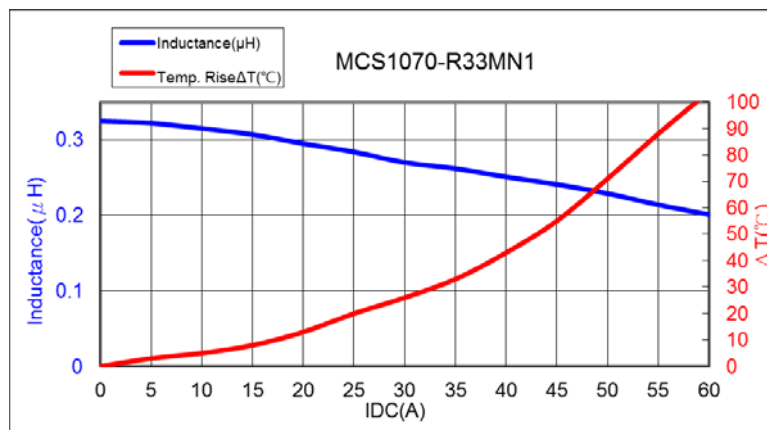
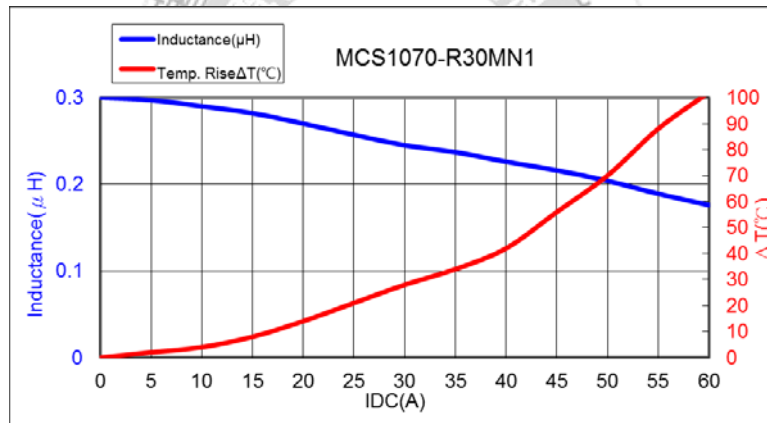
Part number	Inductance ( $\mu\text{H}$ ) $\pm 20\%$	DC Resistance ( $\text{m}\Omega$ ) Typical	DC Resistance ( $\text{m}\Omega$ ) MAX.	Idc (A) Typical	I sat (A) Typical
MCS1070-R30MN1	0.3	0.78	0.86	36.0	55.0
MCS1070-R33MN1	0.33	0.82	$\pm 10\%$	36.0	40.0

TEST INSTRUMENT: Zentech1320+Zentech3305

NOTE:

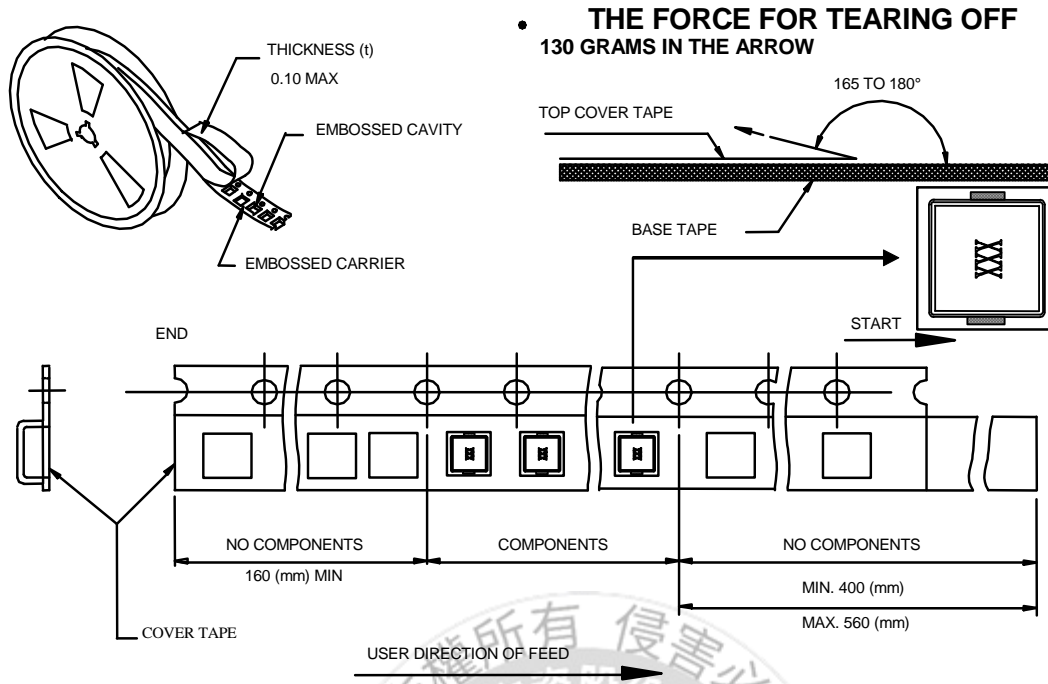
1. Test Freq.: 100KHz, 1.0V
2. All test data is referenced to 25°C ambient.
3. Operating Temperature Range -25°C~+125°C.
4. Storage Temperature Range: -20°C~+40°C (<60% R.H.).
5. Typical Heat Rating DC Current would cause an approximately  $\Delta T$  of 40°C.
6. Typical Saturation DC Current would cause  $L_o$  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

## 5. ELECTRICAL CURVE



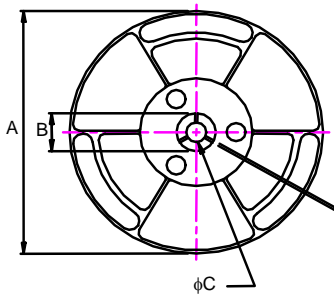
# SPECIFICATION FOR APPROVAL

## 6. PACKING



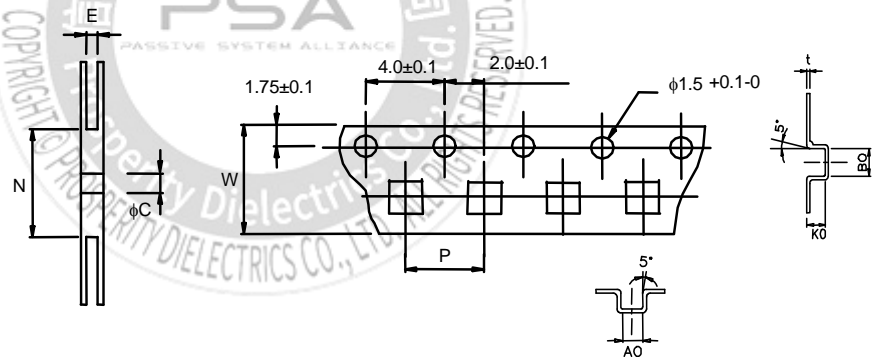
### ■ CARRIER TAPE REELS (mm)

MATERIAL: PLASTIC



**800 Parts per Reel**

### ■ DIMENSIONS OF CARRIER TAPE (mm)



※ 10 sprocket hole pitch cumulative tolerance  $\pm 0.20$

UNIT: mm

	A	B	C	E	N	P	W	t	A0	B0	K0
DIM.	330	25.0	13.0	24.6	100	16.0	24.0	0.4	7.4	11.9	5.35
TOL.	$\pm 0.2$	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	MIN	$\pm 0.1$	$\pm 0.3$	$\pm 0.05$	$\pm 0.1$	$\pm 0.1$	$\pm 0.1$