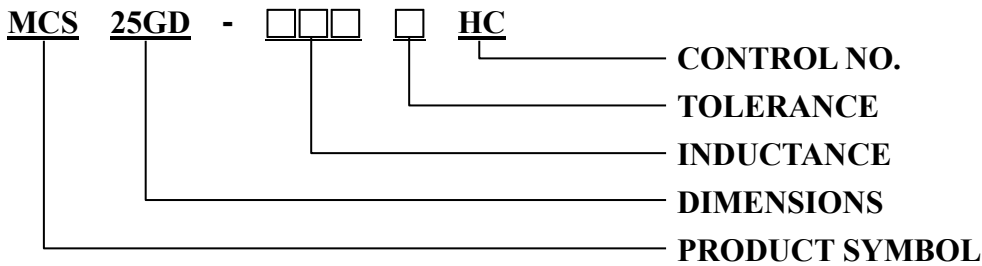


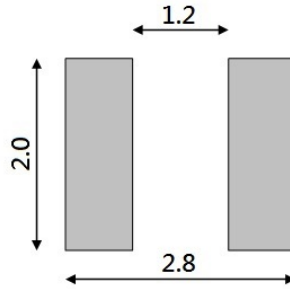
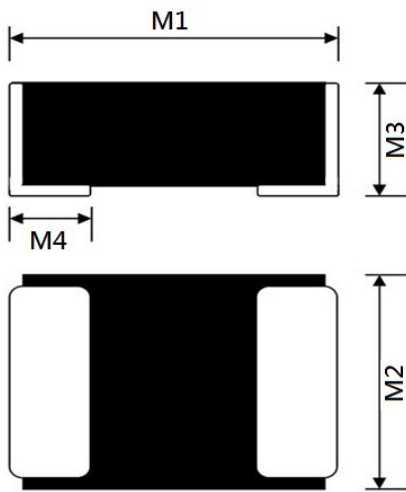
# SPECIFICATION FOR APPROVAL

- ✘ 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	2.5	±0.2
M2	2.0	±0.2
M3	1.2	MAX.
M4	0.6	±0.3

## 3. ELECTRICAL SPECIFICATION

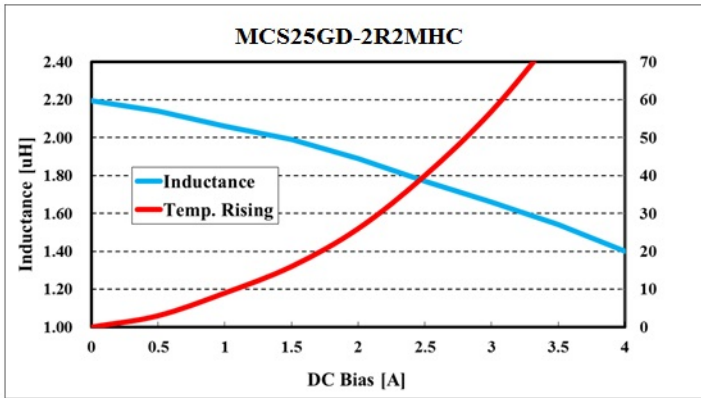
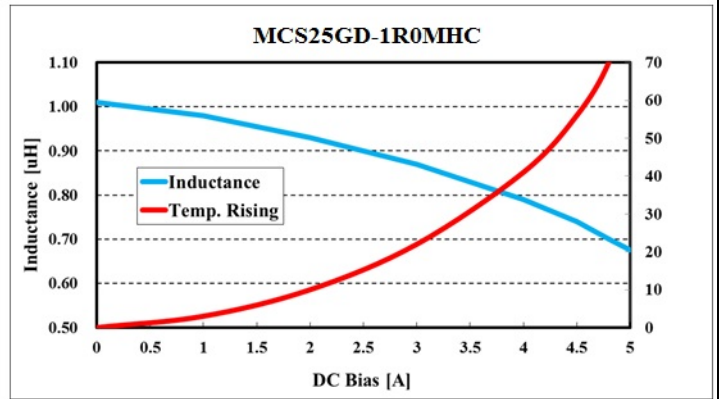
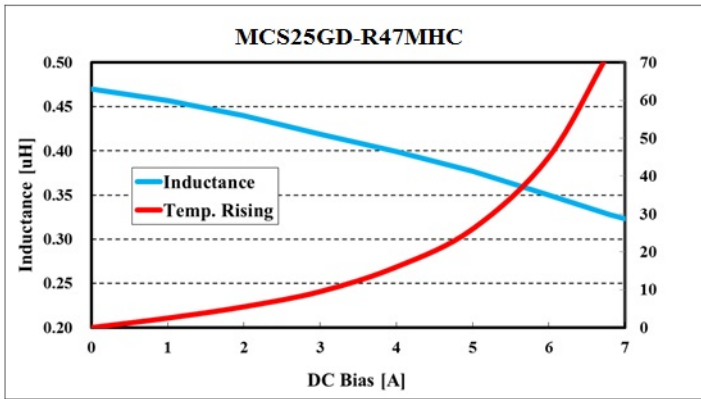
Part number	Inductance (uH) ±20%	DC Resistance	DC Resistance	Irms (A) Typical	Irms (A) MAX.	I sat (A) Typical	I sat (A) MAX.
		(mΩ) Typical	(mΩ) MAX.				
MCS25GD-R47MHC	0.47	16	22	5.8	4.9	6.8	6.2
MCS25GD-1R0MHC	1.0	36	44	3.9	3.3	4.8	4.3
MCS25GD-2R2MHC	2.2	74	89	2.5	2.2	3.5	3.2

Note:

1. Test Freq: 1MHz, 1V
2. All test referenced to 26°C ambient.
3. Operating Temperature range: -40°C to +125°C
4. Storage Temperature range: -50°C to +125°C
5. Taping Package Storage Condition:
  - 5-1. Storage Temperature: 5 to 40°C, Relative Humidity: < 65% RH
  - 5-2. Storage Time: 12 months max
6. Isat means that DC current will cause a 30% inductance reduction from initial value.
7. Irms means that DC current will cause coil temp. rising to 40°C whichever is smaller.

# SPECIFICATION FOR APPROVAL

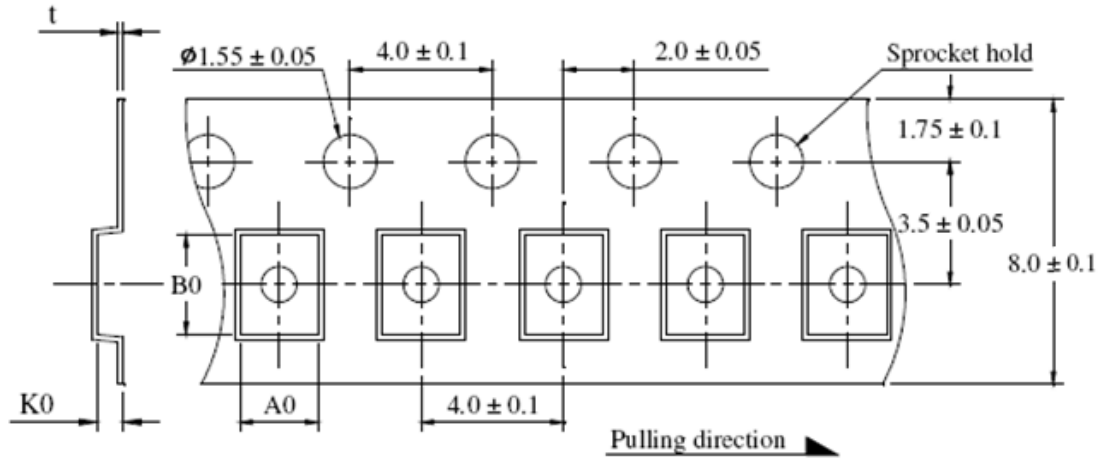
## 4. ELECTRICAL CURVE



# SPECIFICATION FOR APPROVAL

## 5. PACKING

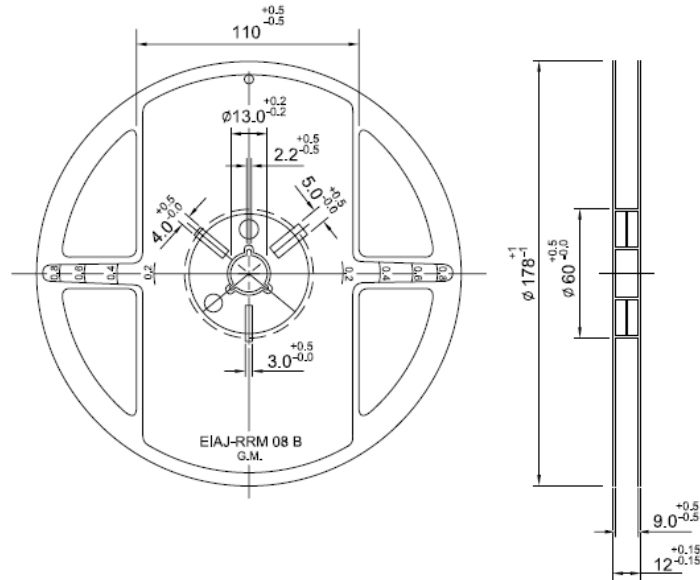
### 5.1 Carrier tape dimensions



**UNIT : mm**

	A0	B0	K0	t
<b>DIM.</b>	<b>2.25±0.05</b>	<b>2.80±0.1</b>	<b>1.35±0.1</b>	<b>0.22±0.05</b>

### 5.2 Taping reel dimensions



<b>Qty.(pcs)</b>	<b>3,000</b>
<b>BOX</b>	<b>5 reels / inner box</b>