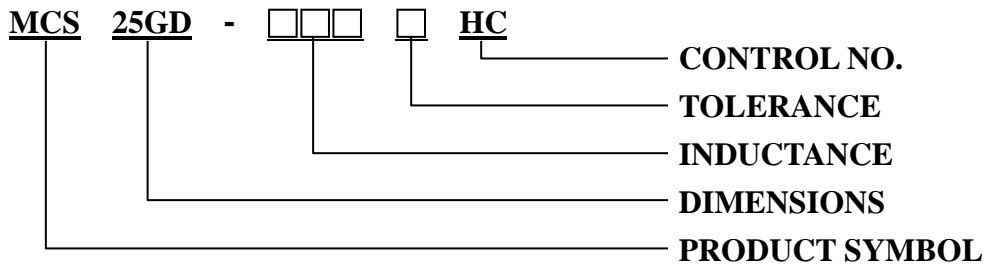


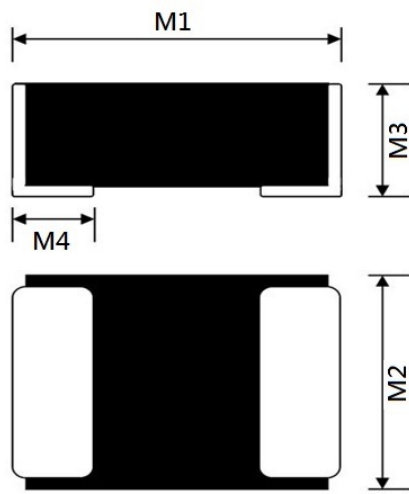
# SPECIFICATION FOR APPROVAL

※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	Irms	I sat	I sat
		(mΩ) Typical	(mΩ) MAX.	(A) Typical	(A) MAX.	(A) Typical	(A) 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

