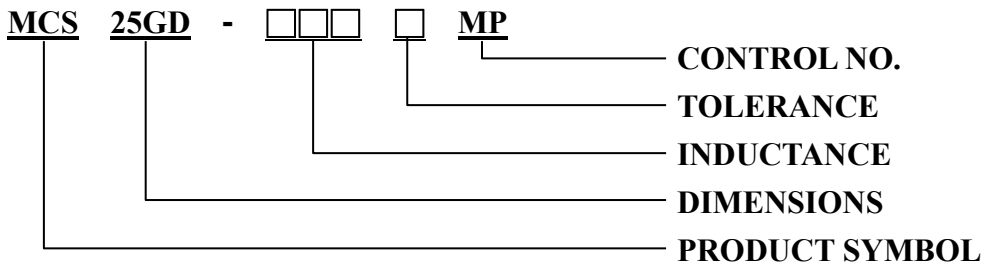


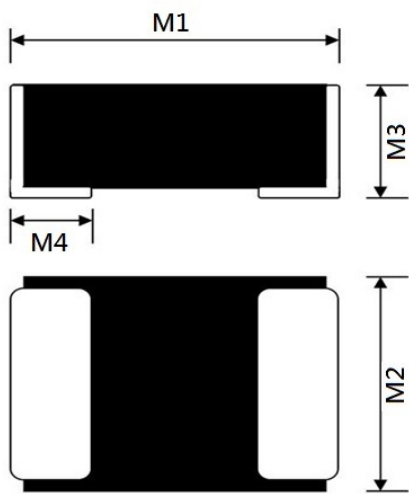
# SPECIFICATION FOR APPROVAL

- ✘ 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 (mΩ) Typical	DC Resistance (mΩ) MAX.	Irms (A) Typical	Irms (A) MAX.	I sat (A) Typical	I sat (A) MAX.
MCS25GD-R47MMP	0.47	21	25	4.6	4.18	5.3	4.95
MCS25GD-R68MMP	0.68	29	35	3.7	3.36	5.0	4.63
MCS25GD-1R0MMP	1.0	41	49	3.5	3.18	4.4	4.04
MCS25GD-1R5MMP	1.5	64	77	2.5	2.27	3.2	2.91
MCS25GD-2R2MMP	2.2	85	98	2.27	2.06	3.0	2.73
MCS25GD-3R3MMP	3.3	125	150	2.0	1.80	2.1	1.80
MCS25GD-4R7MMP	4.7	196	235	1.61	1.40	1.9	1.58

- (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). Isat means that DC current will cause a 30% inductance reduction from initial value.
- (6). Irms means that DC current will cause coil temp. rising to 40°C whichever is smaller.

# SPECIFICATION FOR APPROVAL

## 4. ELECTRICAL CURVE

