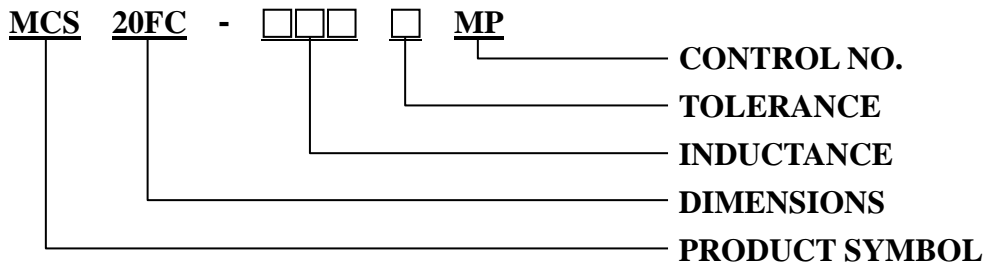


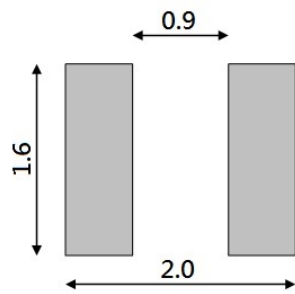
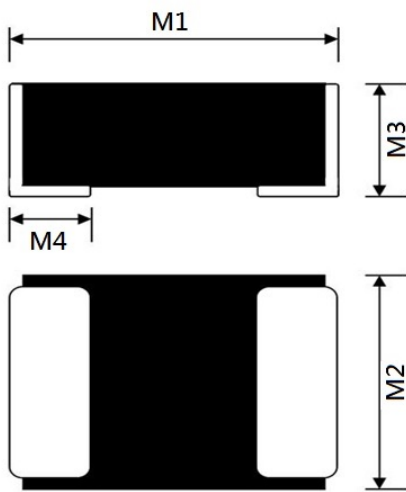
# SPECIFICATION FOR APPROVAL

※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	2.0	±0.2
M2	1.6	±0.2
M3	1.0	MAX.
M4	0.5	±0.3

## 3. ELECTRICAL SPECIFICATION

Part number	Inductance	DC Resistance	DC Resistance	Irms	Irms	I sat	I sat
	(uH) ±20%	(mΩ) Typical	(mΩ) MAX.	(A) Typical	(A) MAX.	(A) Typical	(A) MAX.
MCS20FC-R24MMP	0.24	17	21	5.0	4.50	5.6	5.05
MCS20FC-R33MMP	0.33	24	29	4.1	3.69	5.0	4.50
MCS20FC-R47MMP	0.47	33	40	3.5	3.15	4.4	4.00
MCS20FC-R68MMP	0.68	41	49	3.4	3.06	3.7	3.33
MCS20FC-1R0MMP	1.0	60	69	2.6	2.26	2.9	2.61
MCS20FC-1R5MMP	1.5	114	129	2.0	1.81	2.5	2.25
MCS20FC-2R2MMP	2.2	135	150	1.7	1.50	1.9	1.71

**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. 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

