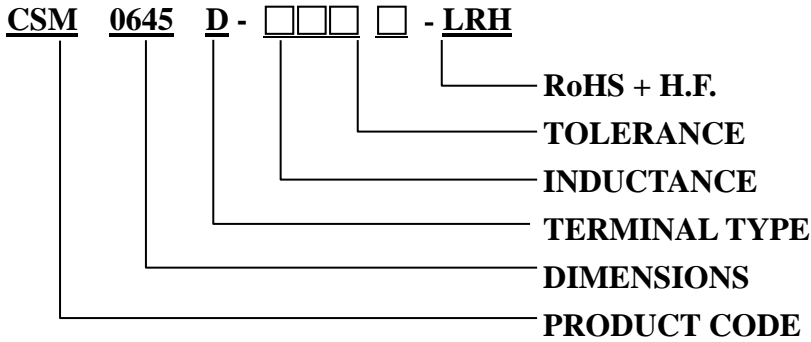


# SPECIFICATION FOR APPROVAL

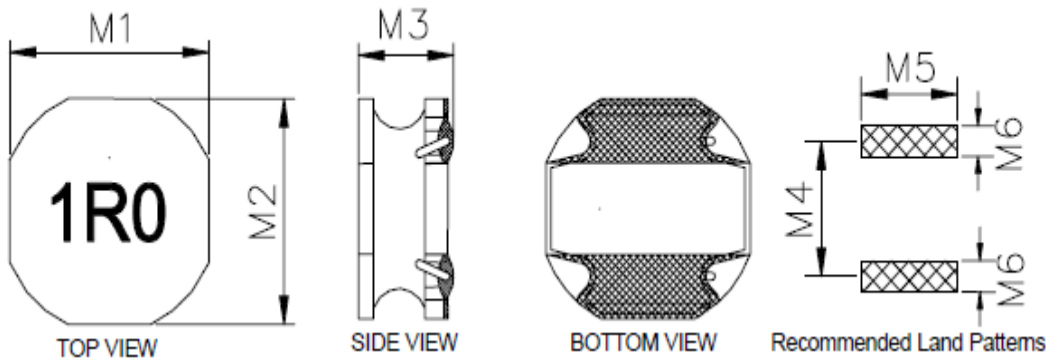
※This is a RoHS and REACH compliant product whose related documents are available on request.

※Graphic is only for dimensionally application.

## 1. PART NUMBERING IDENTIFICATION



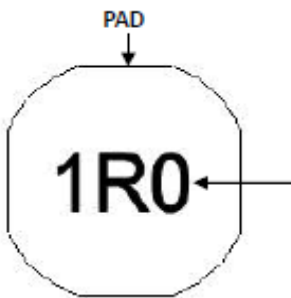
## 2. MECHANICAL DIMENSION



UNIT: mm

	DIM.	TOL.
M1	6.3	±0.2
M2	6.3	±0.2
M3	4.5	MAX.
M4	4.7	—
M5	5.7	—
M6	1.6	—

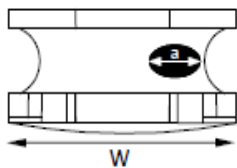
## 3. MARKING



**Marking Direction: PAD on the left and right sides, font facing up.**

**Example: 1R0 Stands for Marking → 1.0μH**

※VOID APPEARANCE TOLERANCE LIMIT:



$a \leq W/3$  Good

$a > W/3$  NG

# SPECIFICATION FOR APPROVAL

## 4. ELECTRICAL SPECIFICATION

Part number	MARK	Inductance ( $\mu$ H)	DC Resistance (m $\Omega$ ) MAX.	I sat (A) TYP.	I rms (A) TYP.	Inductance Tolerance
CSM0645D-1R0N-LRH	1R0	1.0	18.2	10.0	6.00	$\pm 30\%$
CSM0645D-1R3N-LRH	1R3	1.3	20.8	8.00	5.20	
CSM0645D-1R5N-LRH	1R5	1.5	20.8	8.00	5.00	
CSM0645D-1R8N-LRH	1R8	1.8	23.4	7.00	5.00	
CSM0645D-2R2N-LRH	2R2	2.2	18.2	6.00	4.50	
CSM0645D-2R3N-LRH	2R3	2.3	27.3	6.00	4.50	
CSM0645D-3R0N-LRH	3R0	3.0	31.2	5.00	4.00	
CSM0645D-3R3N-LRH	3R3	3.3	28.8	5.00	3.20	
CSM0645D-1R5M-LRH	1R5	1.5	20.8	8.00	5.00	
CSM0645D-4R5M-LRH	4R5	4.5	40.3	4.00	3.70	
CSM0645D-4R7M-LRH	4R7	4.7	31.0	4.00	3.70	
CSM0645D-6R3M-LRH	6R3	6.3	49.4	3.80	3.50	
CSM0645D-6R8M-LRH	6R8	6.8	45.6	3.80	3.50	
CSM0645D-100M-LRH	100	10	61.1	3.00	2.80	
CSM0645D-150M-LRH	150	15	100.1	2.30	2.30	
CSM0645D-220M-LRH	220	22	149.5	1.90	1.70	
CSM0645D-330M-LRH	330	33	188.5	1.50	1.50	
CSM0645D-470M-LRH	470	47	286	1.30	1.30	
CSM0645D-680M-LRH	680	68	429	1.00	1.00	
CSM0645D-820M-LRH	820	82	533	0.90	0.90	
CSM0645D-101M-LRH	101	100	650	0.80	0.80	
CSM0645D-151M-LRH	151	150	754	0.80	0.70	

TOLERANCE: M= $\pm 20\%$  / N= $\pm 30\%$

**NOTE:**

1. Test Freq.: 100KHz, 1.0V
2. Test Instrument: CHROMA 3302/1320/16502/ HP-4291B
3. Isat: Based on inductance decrease 30% MAX.(at 20°C)
4. Irms: Based on temperature increase 40°C.(at 20°C)
5. Operating temperature range : -25°C to 120°C (including self-temperature rise)
6. Storage temperature range : -40°C to +85°C
7. MSL: Level 1