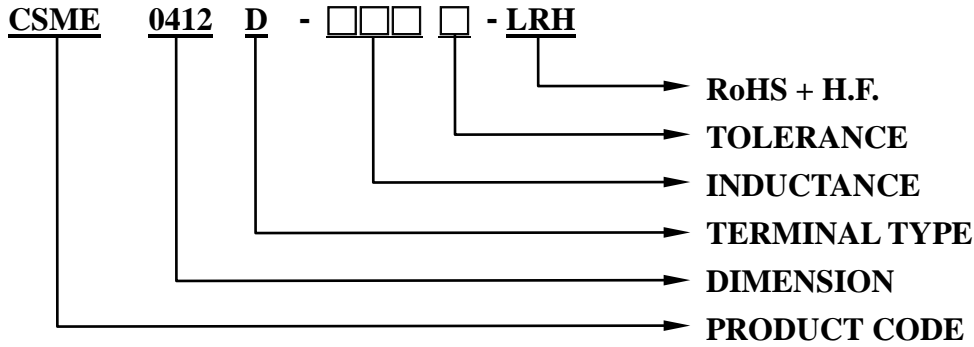


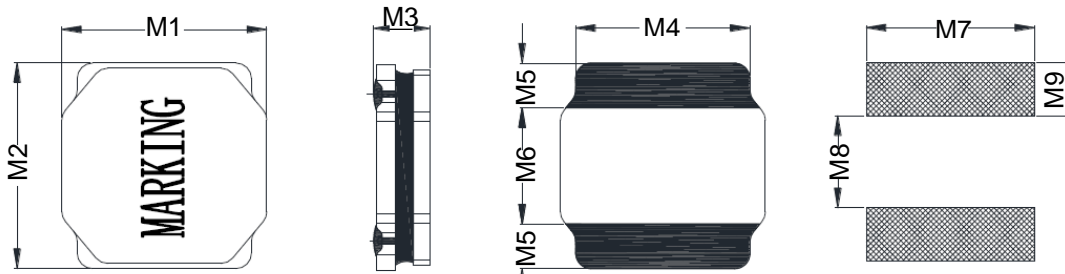
SPECIFICATION FOR APPROVAL

※This is a RoHS and REACH compliant product whose related documents are available on request.
 ※Graphic is only for dimensionally application.

1. PART NUMBER IDENTIFICATION



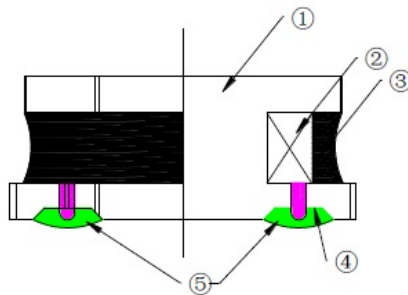
2. MECHANICAL DIMENSION



UNIT : mm

	DIM.	TOL.
M1	4.0	±0.2
M2	4.0	±0.2
M3	1.2	MAX.
M4	3.3	±0.2
M5	0.95	±0.2
M6	2.1	Ref.
M7	3.7	Ref.
M8	1.9	Ref.
M9	1.1	Ref.

3. STRUCTURE



4. MATERIAL LIST

NO	PARTS	MATERIAL
1	Drum Core	Ni-Zn Ferrite Core.
2	Wire	Polyurethane enameled copper wire.
3	Adhesive	Epoxy Resin Magnetic Powder
4	Plating Electrodes	Plating: Ag 10-20 μm Ni 1-3 μm Sn 3-7 μm
5	Outer Electrodes	Top surface solder coating Sn99%、Ag0.3%、Cu0.7%

SPECIFICATION FOR APPROVAL

5. ELECTRICAL SPECIFICATION

Part number	Marking	Inductance (μ H)	Inductance Tolerance	DC Resistance (Ω)		Isat (A)		Irms (A)	
				Max.	Typ.	Max.	Typ.	Max.	Typ.
CSME0412D-1R0N-LRH	1R0	1.0	$\pm 30\%$	0.055	0.042	2.80	3.00	2.00	2.30
CSME0412D-1R5M-LRH	1R5	1.5	$\pm 30\%$	0.065	0.051	2.20	2.35	1.80	2.00
CSME0412D-2R2M-LRH	2R2	2.2	$\pm 20\%$	0.100	0.075	1.76	2.00	1.32	1.90
CSME0412D-3R3M-LRH	3R3	3.3	$\pm 20\%$	0.100	0.075	1.35	1.65	1.32	1.90
CSME0412D-4R7M-LRH	4R7	4.7	$\pm 20\%$	0.163	0.125	0.15	1.50	1.00	1.40
CSME0412D-5R6M-LRH	5R6	5.6	$\pm 20\%$	0.185	0.150	1.00	1.60	1.00	1.20
CSME0412D-6R8M-LRH	6R8	6.8	$\pm 20\%$	0.228	0.175	1.15	1.30	0.85	1.10
CSME0412D-100M-LRH	100	10	$\pm 20\%$	0.340	0.250	0.85	0.95	0.80	1.00
CSME0412D-150M-LRH	150	15	$\pm 20\%$	0.400	0.310	0.68	0.80	0.65	0.80
CSME0412D-180M-LRH	180	18	$\pm 20\%$	0.550	0.430	0.60	0.75	0.55	0.80
CSME0412D-220M-LRH	220	22	$\pm 20\%$	0.690	0.530	0.50	0.70	0.49	0.75
CSME0412D-330M-LRH	330	33	$\pm 20\%$	1.00	0.780	0.50	0.60	0.42	0.52
CSME0412D-470M-LRH	470	47	$\pm 20\%$	1.43	0.10	0.35	0.45	0.37	0.50

Note:

1. Inductance: @100KHz,1.0V
2. Test Machine: HIOKI3532-50 OR EQUIVALENT
3. DC Resistance: HIOKI 3540 OR EQUIVALENT
4. ISAT / IRISE: HP4284+42841A OR EQUIVALENT
5. Isat(A): DC Saturation Current that will cause initial inductance to drop approximately 30% max.
6. Irise(A): DC Current that will cause an approximate ΔT of 40 $^{\circ}$ C.
7. MSL: LEVEL 1.

