



### Features

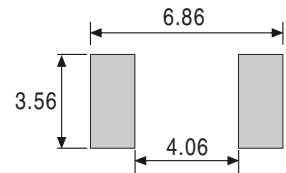
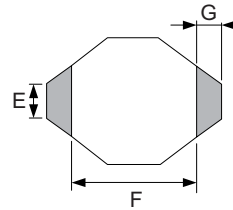
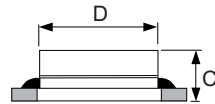
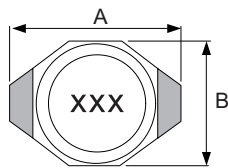
- Shielded Construction
- Gold plating, Ceramic Base
- Inductance range: 1.0 to 10,000  $\mu\text{H}$
- RoHS, Halogen Free and REACH compliance

### General Specifications

- Storage temp range:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Operating temp range:  $-25^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$
- Moisture Sensitivity Level(MSL): 1



## ► Shape and Dimensions (Unit:mm) Recommended Layout



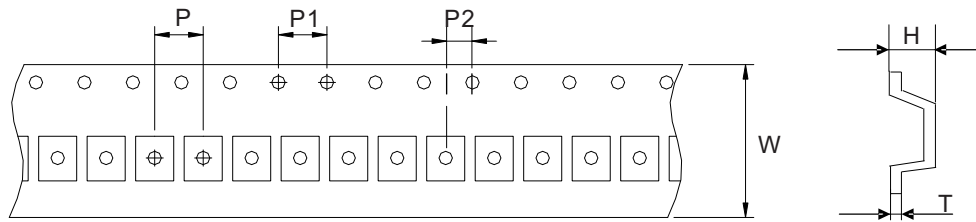
Type	A (max)	B (max)	C (max)	D ( $\pm 0.3$ )	E ( $\pm 0.2$ )	F ( $\pm 0.3$ )	G ( $\pm 0.2$ )
MSS1608	6.60	4.45	2.92	3.90	1.27	4.32	1.02

## ► Electrical Characteristics For MSS1608 Series @ 25°C

Part Number	Inductance ( $\mu\text{H}$ ) $\pm 20\%$	DCR ( $\Omega$ ) Max.	Isat (A) Typ.	Irms (A) Typ.
MSS1608-1R0M	1.0	0.040	1.40	1.20
MSS1608-1R5M	1.5	0.045	0.93	0.91
MSS1608-2R2M	2.2	0.050	0.92	0.90
MSS1608-3R3M	3.3	0.055	0.75	0.70
MSS1608-4R7M	4.7	0.060	0.58	0.55
MSS1608-6R8M	6.8	0.065	0.58	0.50
MSS1608-8R2M	8.2	0.070	0.47	0.45
MSS1608-100M	10	0.075	0.37	0.35
MSS1608-150M	15	0.09	0.31	0.30
MSS1608-220M	22	0.11	0.30	0.28
MSS1608-330M	33	0.19	0.24	0.22
MSS1608-470M	47	0.23	0.24	0.20
MSS1608-680M	68	0.29	0.17	0.15
MSS1608-101M	100	0.48	0.13	0.11
MSS1608-151M	150	0.59	0.10	0.09
MSS1608-221M	220	0.77	0.10	0.09
MSS1608-331M	330	1.40	0.07	0.06
MSS1608-471M	470	1.80	0.06	0.05
MSS1608-681M	680	2.80	0.055	0.05
MSS1608-102M	1000	4.20	0.045	0.04
MSS1608-152M	1500	5.20	0.035	0.032
MSS1608-222M	2200	8.50	0.028	0.025
MSS1608-332M	3300	11.0	0.024	0.022
MSS1608-472M	4700	13.9	0.021	0.020
MSS1608-682M	6800	25.0	0.019	0.015
MSS1608-103M	10000	38.2	0.017	0.014

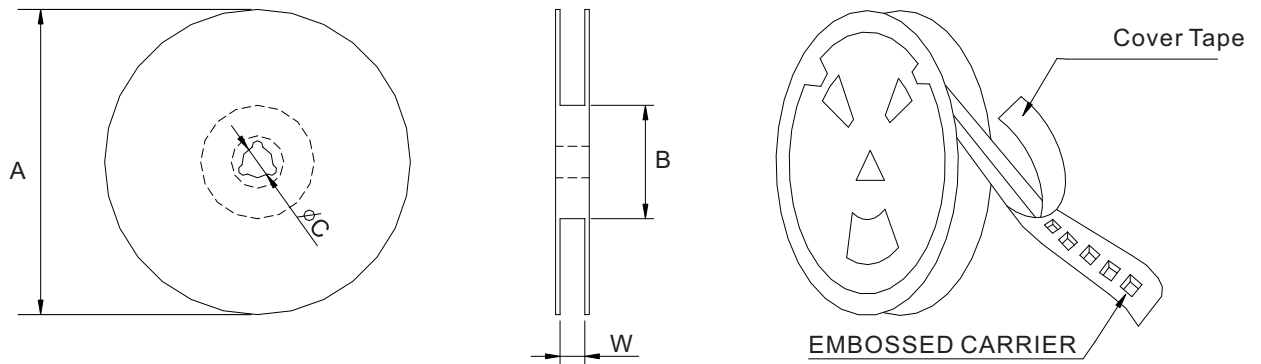
- Inductance tested at 100kHz, 1.0Vrms, 0.0A<sub>dc</sub>
- Heat Rating Current (I<sub>rms</sub>): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (I<sub>sat</sub>): DC current at which the inductance drops 30% from its value without current

## ▶ Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
MSS1608		16.0	8.0	4.0	2.0	3.20	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
MSS1608		2500	330	97	13	16.5