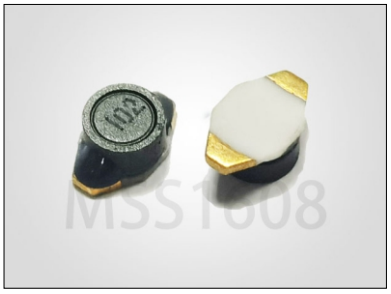
SMD Shielded Power Inductor - MSS1608 Series

Meisongbei



Features

- Shielded Construction
- Gold plating, Ceramic Base
- Inductance range:1.0 to 10,000 µH
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

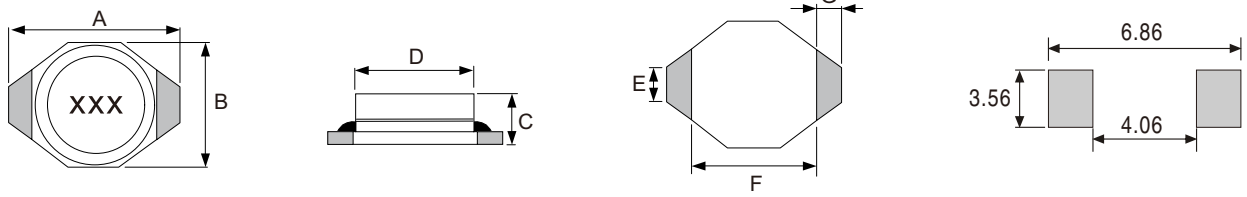
Package

- MSP1608 - 2500 PCS/Reel

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Shape and Dimensions (Unit:mm)

Recommended Layout



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

Electrical Characteristics For MSS1608 Series

Part Number	Inductance (µH)	DCR (Ω) Max.	Isat (A) Typ.	Irms (A) Typ.
MSS1608-1R0M	1.0 ±20%	0.040	1.40	3.00
MSS1608-1R5M	1.5 ±20%	0.045	0.93	2.80
MSS1608-2R2M	2.2 ±20%	0.050	0.92	1.80
MSS1608-3R3M	3.3 ±20%	0.055	0.75	1.60
MSS1608-4R7M	4.7 ±20%	0.060	0.58	1.40
MSS1608-6R8M	6.8 ±20%	0.065	0.58	1.20
MSS1608-100M	10 ±20%	0.075	0.37	1.00
MSS1608-150M	15 ±20%	0.09	0.31	0.80
MSS1608-220M	22 ±20%	0.11	0.30	0.70
MSS1608-330M	33 ±20%	0.19	0.24	0.60
MSS1608-470M	47 ±20%	0.23	0.24	0.50
MSS1608-680M	68 ±20%	0.29	0.17	0.40
MSS1608-101M	100 ±20%	0.48	0.13	0.30
MSS1608-151M	150 ±20%	0.59	0.10	0.26
MSS1608-221M	220 ±20%	0.77	0.10	0.22
MSS1608-331M	330 ±20%	1.40	0.07	0.20
MSS1608-471M	470 ±20%	1.80	0.06	0.19
MSS1608-681M	680 ±20%	2.80	0.055	0.18
MSS1608-102M	1000 ±20%	4.20	0.045	0.15
MSS1608-152M	1500 ±20%	5.20	0.035	0.12
MSS1608-222M	2200 ±20%	8.50	0.028	0.10
MSS1608-332M	3300 ±20%	11.0	0.024	0.08
MSS1608-472M	4700 ±20%	13.9	0.021	0.06
MSS1608-682M	6800 ±20%	25.0	0.019	0.04
MSS1608-103M	10000 ±20%	38.2	0.017	0.02

- Inductance tested at 100kHz
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current