Semi-shielded Power Inductors - MS105S Series

Meisongbei



Features

- Semi-shielded construction
- Coating: Magnetic epoxy resin
- High rated current

Package

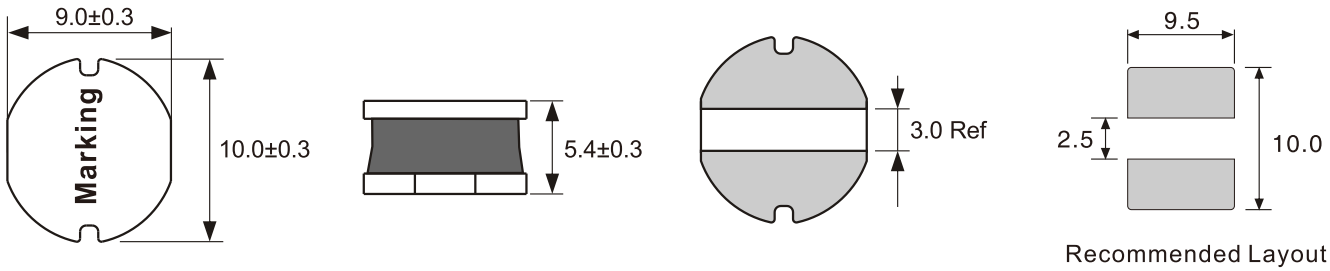
- MS105S - 1000 PCS/Reel

General Specifications

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

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Shape and Dimensions (Unit:mm)



Recommended Layout

Electrical Characteristics @ 25°C

Part Number	Inductance [μH]	DCR(max) [Ω]	Irms [A]	Isat [A]
MS105S-100M	10 ±20%	0.029	5.40	5.20
MS105S-180M	18 ±20%	0.043	3.85	3.80
MS105S-220M	22 ±20%	0.053	3.40	3.40
MS105S-330M	33 ±20%	0.072	3.15	2.80
MS105S-470M	47 ±20%	0.11	2.50	2.30
MS105S-101M	100 ±20%	0.21	1.70	1.70
MS105S-151M	150 ±20%	0.30	1.25	1.35
MS105S-221M	220 ±20%	0.46	1.00	1.20
MS105S-331M	330 ±20%	0.62	0.90	0.90
MS105S-471M	470 ±20%	0.95	0.80	0.80

- 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