Semi-shielded Power Inductors - MS73S Series

Meisongbei



Features

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

Package

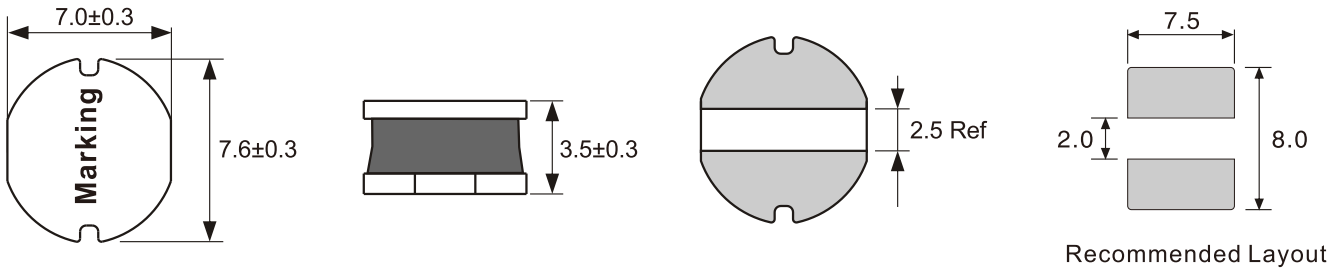
- MS73S - 1000 PCS/Reel

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]
MS73S-R50N	0.5±30%	0.007	10.0	12.0
MS73S-1R0N	1.0±30%	0.010	7.8	11.0
MS73S-1R5N	1.5±30%	0.011	7.0	8.2
MS73S-2R2N	2.2±30%	0.013	6.3	7.4
MS73S-3R3N	3.3±30%	0.021	5.6	5.5
MS73S-3R6N	3.6±30%	0.022	4.9	5.3
MS73S-4R7N	4.7±30%	0.024	4.1	4.7
MS73S-6R8N	6.8±30%	0.033	3.9	4.2
MS73S-8R2N	8.2±30%	0.045	3.7	4.0
MS73S-100M	10±20%	0.050	3.1	3.4
MS73S-150M	15±20%	0.070	2.4	2.7
MS73S-220M	22±20%	0.100	2.2	2.2
MS73S-330M	33±20%	0.145	1.7	1.9
MS73S-470M	47±20%	0.190	1.4	1.5
MS73S-680M	68±20%	0.275	1.1	1.2
MS73S-101M	100±20%	0.400	1.0	1.0

- 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