SMT Power Inductors - MSG1813HC Series

Meisongbei



Features

- Soldered self-leaded construction
- High rated current and low DCR
- Core Material: Ferrite
- RoHS, Halogen Free and REACH compliance

Package

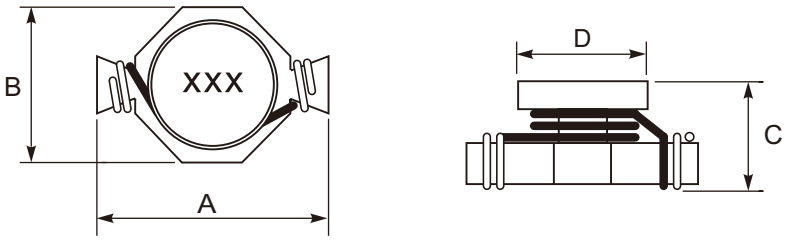
- MSG1813HC - 1000 PCS/Reel

General Specifications

- Storage temp range: -40°C to +80°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Dimensions & Configurations (Unit:mm)



Type	A (max)	B (max)	C (max)	D (Ref)	E (Ref)	F (Ref)	G (Ref)
MSG1813HC	8.9	6.1	5.0	4.8	4.06	1.91	6.98

Electrical Characteristics For MSG1813HC Series

Part Number	Inductance [μH]	DCR(max) [Ω]	Isat(max) [A]	Irms(max) [A]
MSG1813HC-R18M	0.18 ±20%	0.003	14.0	10.0
MSG1813HC-R33M	0.33 ±20%	0.004	10.0	7.0
MSG1813HC-R56M	0.56 ±20%	0.010	7.7	6.0
MSG1813HC-1R2M	1.2 ±20%	0.017	5.3	4.4
MSG1813HC-2R2M	2.2 ±20%	0.035	3.5	3.1
MSG1813HC-3R3M	3.3 ±20%	0.040	3.0	2.7
MSG1813HC-4R7M	4.7 ±20%	0.054	2.6	2.2
MSG1813HC-6R8M	6.8 ±20%	0.080	2.2	1.8
MSG1813HC-100M	10 ±20%	0.111	1.9	1.5
MSG1813HC-150M	15 ±20%	0.170	1.5	1.2
MSG1813HC-220M	22 ±20%	0.250	1.2	1.0
MSG1813HC-330M	33 ±20%	0.350	0.99	0.82
MSG1813HC-470M	47 ±20%	0.470	0.87	0.72

- Inductance tested at 100kHz, 0.25Vrms, 0.0Adc
- 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