SMD Power Inductors - MSRH104 Series

Meisongbei



Features

- Magnetically shielded construction
- Large Current and Low DCR

Package

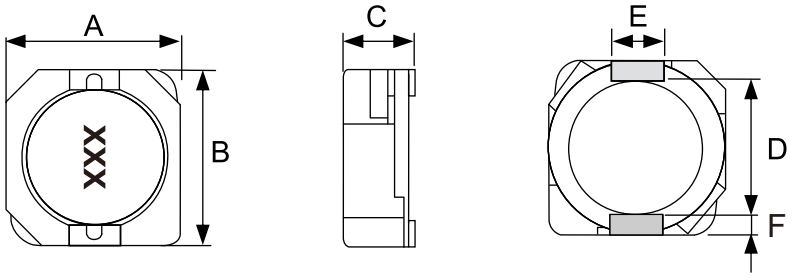
- MSRH104 - 1000 PCS/Reel

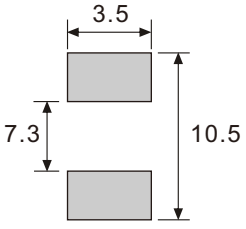
General Specifications

- 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

Type	A (max)	B (max)	C (max)	D (±0.3)	E (Ref)	F (Ref)
MSRH104	10.3	10.5	4.0	7.7	3.0	1.2

Electrical Characteristics For MSRH104 Series

Part Number	Inductance [μH]	DCR(max) [Ω]	Isat(max) [A]	Irms(max) [A]
MSRH104-1R5N	1.3 ±30%	0.008	10.0	10.0
MSRH104-2R5N	2.5 ±30%	0.010	7.50	7.50
MSRH104-3R8N	3.8 ±30%	0.013	6.00	6.00
MSRH104-5R2N	5.2 ±30%	0.022	5.50	5.10
MSRH104-7R0N	7.0 ±30%	0.027	4.80	4.59
MSRH104-100M	10 ±20%	0.035	4.40	4.36
MSRH104-150M	15 ±20%	0.050	3.60	3.10
MSRH104-220M	22 ±20%	0.073	2.90	2.70
MSRH104-330M	33 ±20%	0.093	2.30	2.10
MSRH104-470M	47 ±20%	0.128	2.10	1.90
MSRH104-680M	68 ±20%	0.213	1.50	1.42
MSRH104-101M	100 ±20%	0.304	1.35	1.25
MSRH104-151M	150 ±20%	0.506	1.15	0.93
MSRH104-221M	220 ±20%	0.756	0.92	0.70
MSRH104-331M	330 ±20%	1.090	0.70	0.63

- 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