

## SMD High Current Flat wire power Inductor

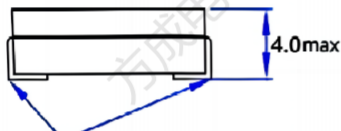
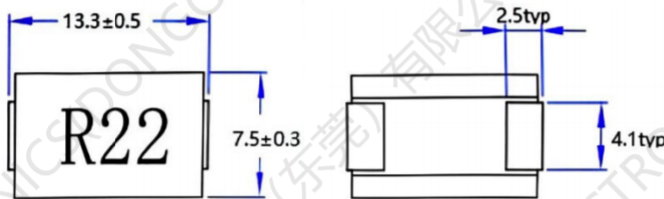
### FC-SH1304-Series

#### Features

- Lowest core losses (MnZn)
- High saturation current .
- Extremely low DCR
- Magnetically shielded
- Operating temperature: -40 °C to +125 °C
- Recommended solder profile: Reflow

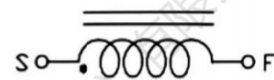


#### 1. Dimensions:mm

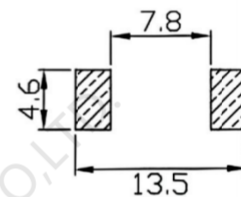


DCR is measured at these points

#### 2. Schematic:



#### 3. Recommended Land Pattern: [mm]



PCB Layout

#### 4. Electrical Properties:

Part Number	Inductance (nH)	DCR mΩ ± 10%	Current (A)	
	L ± 20%		I <sub>rms</sub> (typ)	I <sub>sat</sub> (typ)
FC-SH1304-R10M-45A	100	0.225	45	60
FC-SH1304-R12M-45A	120	0.225	45	53
FC-SH1304-R15M-45A	150	0.225	45	40
FC-SH1304-R22M-45A	220	0.225	45	30
FC-SH1304-R30M-45A	300	0.225	45	18
FC-SH1304-R47M-45A	470	0.225	45	12

Inductance Test Freq. : 100KHz /IV

I<sub>rms</sub> base on Temp. rise 40°C max.

I<sub>sat</sub> base on Δ L / LOA=20% typ.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Fixed Inductors](#) category:*

*Click to view products by [FANGCHENG](#) manufacturer:*

Other Similar products are found below :

[CR32NP-100KC](#) [70F224AI](#) [MHQ1005P10NJ](#) [MHQ1005P1N0S](#) [MHQ1005P2N4S](#) [MHQ1005P3N6S](#) [MHQ1005P5N1S](#) [MHQ1005P8N2J](#)  
[PE-53601NL](#) [PE-53602NL](#) [PG0936.113NLT](#) [9220-20](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#) [1206CS-471XJ](#) [HC2-R47-R](#) [HC8-1R2-R](#)  
[HCF1305-3R3-R](#) [1206CS-151XG](#) [RCH664NP-4R7M](#) [RCP1317NP-391L](#) [DH2280-4R7M](#) [DS1608C-106](#) [B10TJ](#) [B82498B3101J000](#) [ELJ-](#)  
[RE27NJF2](#) [1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-223XJ](#) [1812LS-104XJ](#) [1812LS-105XJ](#) [1812LS-124XJ](#) [1812LS-154XJ](#) [1812LS-223XJ](#)  
[1812LS-224XJ](#) [1812LS-563XJ](#) [1812LS-683XJ](#) [1812LS-824XJ](#) [NIN-FB101JTR110F](#) [NIN-FB471JTR62F](#) [NIN-FC1R5JTR220F](#) [NIN-](#)  
[HCR15JTRF](#) [NIN-HCR33JTRF](#) [NIN-HDR22JTRF](#) [NIN-HDR82JTRF](#) [NIN-HK2N7STRF](#) [NIN-PA150KTR370F](#) [NIN-PB100KTR550F](#)