

## SMD High Current Flat wire power Inductor

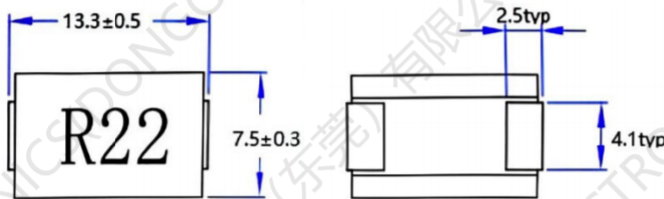
### FC-SH1304-Series

#### Features

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

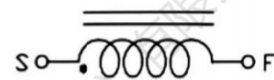


#### 1. Dimensions:mm

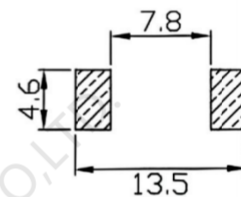


DCR is measured at these points

#### 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.

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