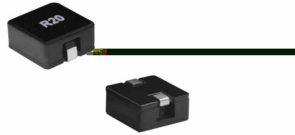


## FHC Series

### SMD Flat Wire High Current Inductor

### Size 1890



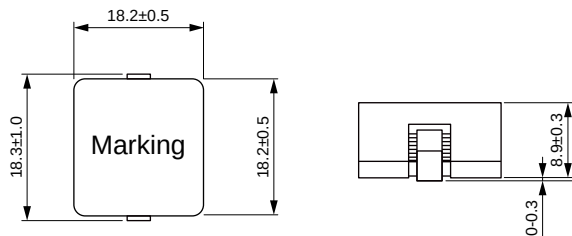
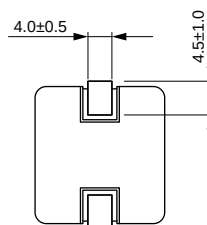
#### CHARACTERISTICS

- Low Rdc with flat wire design
- Low copper losses at high frequency
- Magnetic shielded structure
- Quantity: 150pcs

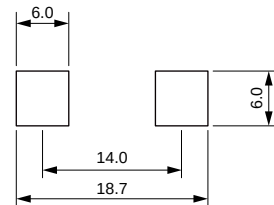
#### APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

| Part No      | Inductance (μH) | Tolerance | Temperature Rise Current (A) | Saturation Current (A) | DC Resistance Typ. (mΩ) | DC Resistance Max. (mΩ) |
|--------------|-----------------|-----------|------------------------------|------------------------|-------------------------|-------------------------|
| FHC1890-R82M | 0.82            | ±20%      | 41.5                         | 65.0                   | 0.54                    | 0.59                    |
| FHC1890-1R3M | 1.30            | ±20%      | 34.5                         | 62.0                   | 0.94                    | 1.03                    |
| FHC1890-1R9M | 1.90            | ±20%      | 32.5                         | 52.0                   | 1.20                    | 1.30                    |
| FHC1890-2R6M | 2.60            | ±20%      | 31.5                         | 50.0                   | 1.58                    | 1.74                    |
| FHC1890-3R5M | 3.50            | ±20%      | 22.5                         | 37.0                   | 3.10                    | 3.40                    |
| FHC1890-4R5M | 4.50            | ±20%      | 20.5                         | 37.0                   | 3.40                    | 3.70                    |
| FHC1890-5R6M | 5.60            | ±20%      | 19.0                         | 33.0                   | 3.70                    | 4.10                    |
| FHC1890-6R8M | 6.80            | ±20%      | 18.5                         | 27.0                   | 4.10                    | 4.50                    |
| FHC1890-100M | 10.0            | ±20%      | 15.0                         | 21.5                   | 6.90                    | 7.60                    |

Operating Temperature : -40 °C to +125 °C

Temperature Rise Current: the actual value of DC current when the temperature rise is ΔT50 °C

Saturation Current that will cause initial inductance to drop approximately 30%

## Typical Electrical Characteristics:

