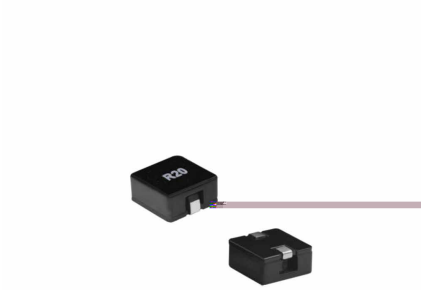
# FHC Series

SMD Flat Wire High Current Inductor

Size 1890



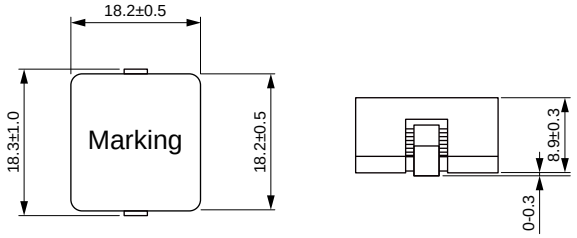
### CHARACTERISTICS

- Low Rdc with flat wire design
- Low cooper losses at high frequency
- Magne c shielded structure
- Quan ty: 150pcs

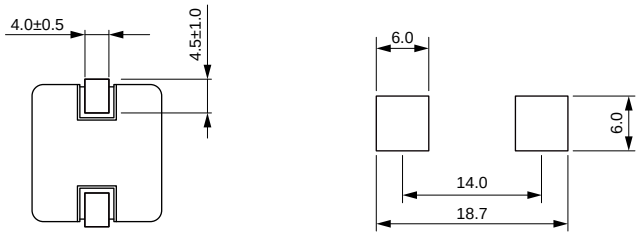
### APPLICATION

- High current DC/DC converter
- LC filter

## Dimensions: [mm]




## Land Pattern: [mm]




## Electrical Properties:

| Part No | Inductance (µH) | Tolerance | Temperature Rise Current (A) | Satura on 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 |

Opera ng Temperature : -40 ℃ to +125℃

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

Satura on Current that will cause ini al inductance to drop approximately 30%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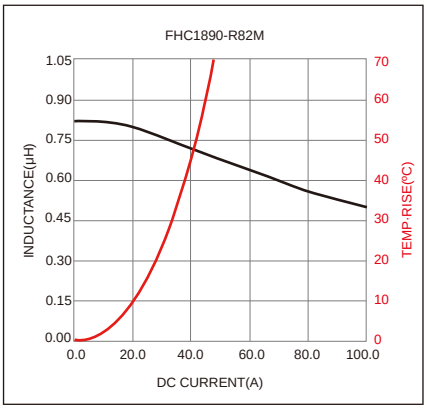
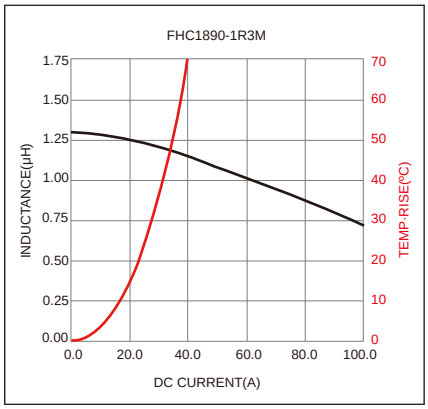
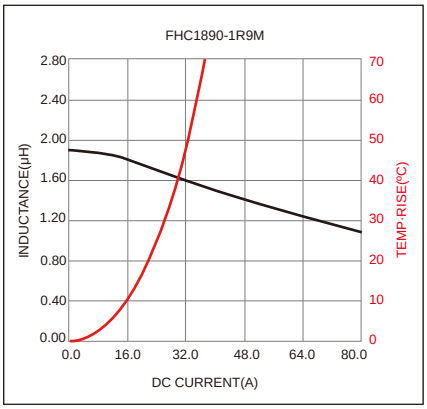
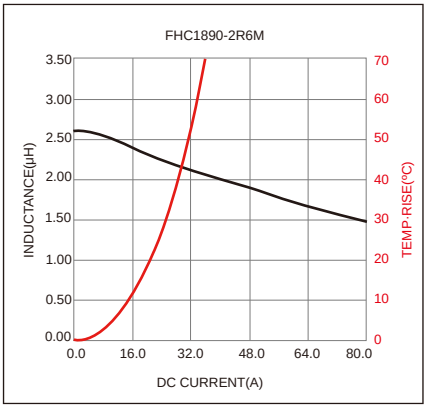
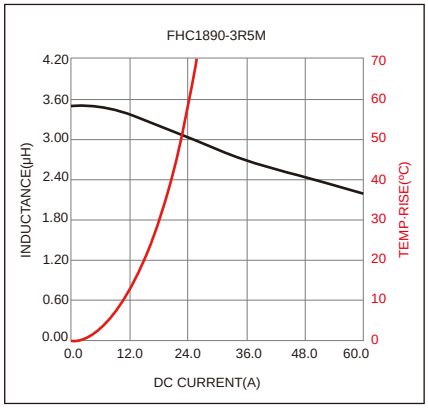
# Typical Electrical Characteristics:

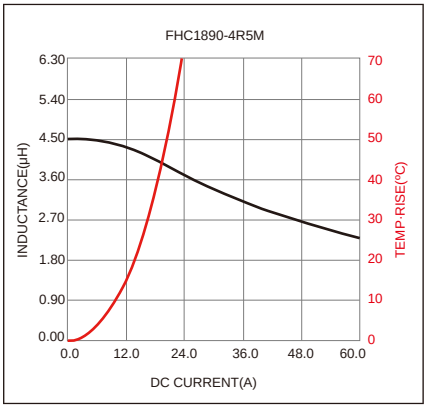


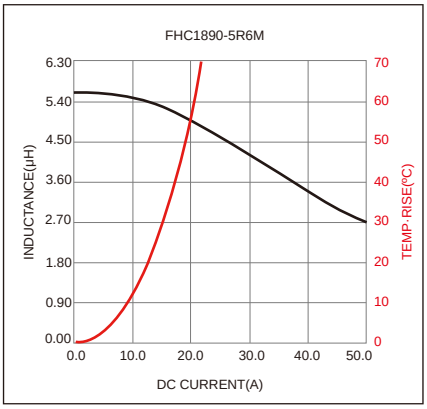



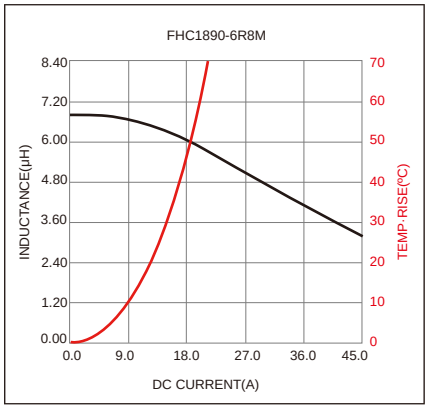



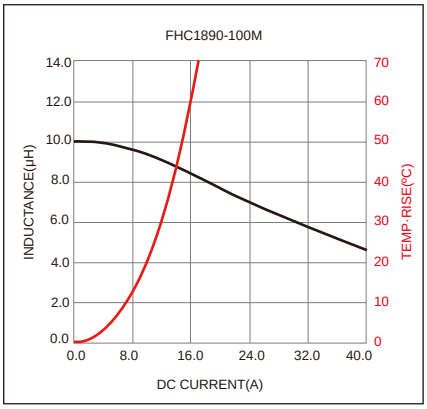

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