



### Features

- Low profile & High Current capability
- Inductance range : 0.47 to 100μH
- AEC-Q200 qualified
- RoHS compliant

### Applications

- Automotive systems :
  - Driver assistant / Entertainment / Lighting
- DC/DC converters
- Power supplies
- Noise suppression for motors

## Molding Inductor - SPI Series(22mm)

### Electrical Specifications

Part Number	Inductance (μH)	DCR (Typical, mΩ)	DCR (Max, mΩ)	Saturation Rated Current (Typical, A)	Temperature Rise Current (Typical, A)
SPI-220-130-R47	0.47	0.75	1.0	90.0	70.0
SPI-220-130-1R5	1.5	1.3	1.9	45.0	22.0
SPI-220-130-150	15.0	11.6	13.5	24.0	13.0
SPI-220-130-220	22.0	18.5	23.0	25.0	7.5

### Characteristics

#### Standard Atmospheric Condition

- § Ambient Temperature : 25°C
- § Relative Humidity : 65%
- § Air Pressure : 1013 hPa

#### Operation Temperature

- § Operation Temperature -55°C ~ 155°C
- § As the product temperature rises due to self-heating, the margin must be taken into account.
- § Storage Temperature -55°C ~ 155°C
- § Resistance to Soldering Heat +245°C for 10 sec.
- § Temperature Rise +40°C typ. At rated | rms
- § Inductance Drop 20% typ.at | sat

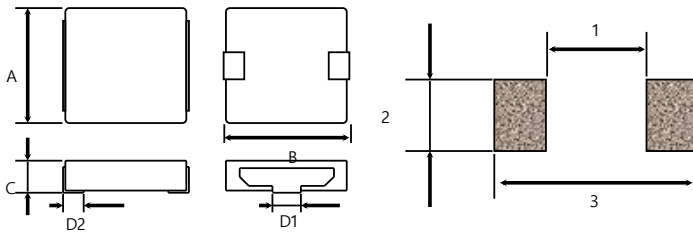
### Identification

#### SPI-220-130-150

- ① ② ③ ④

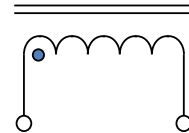
- ① Product name, SMD Power Inductor
- ② Dimension Width, mm
- ③ Dimension Height, mm
- ④ Inductance, 150 = 15uH

### Product Dimensions



Series No.	A	B	C	D1	D2	1	2	3
SPI 220-130 Series	22.2±0.4	23.1±0.4	13.0 max	18.5±0.3	4.8±0.4	12.6	18.8	24

### Electrical Schematic



### Quantity Info.

- § Quantity per Reel : 150pcs
- § One box contains 3 reels(450pcs)
- § In box contains 1 reels(150pcs)