

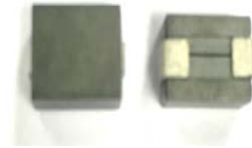
# SUNLEI TECHNOLOGY CORP.

## SMD Power Inductor- SFB0404XX Series

High frequency, high current power inductors

### Features

- High current carrying capacity
- Frequency range up to 2MHz
- Current range from 14 amps to 40 amps
- Low core loss



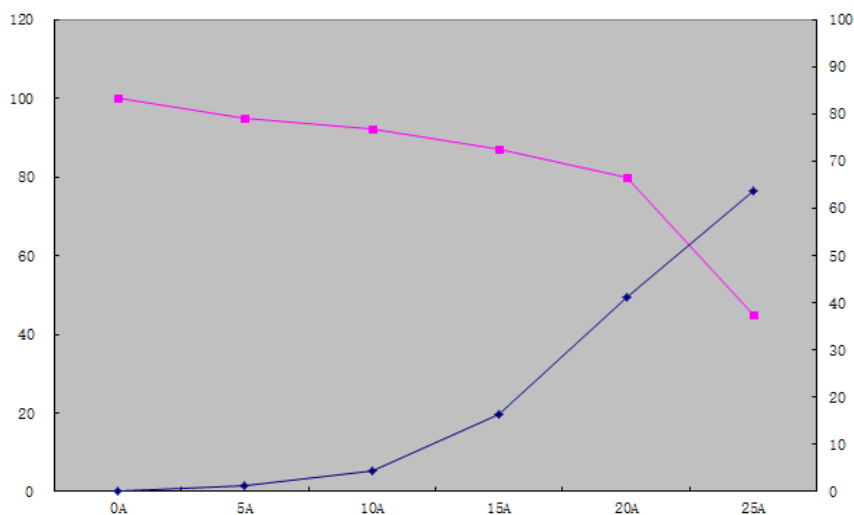
### Electrical Characteristics

Part Number	Inductance (nH)@100KH z/0.1V	DCR(mΩ)	I rms (A) typ.	I sat (A) typ.
SFB040403-65NL	65±15%	0.32±10%	18.0	22.0
SFB040403-R10L	100±15%	0.32±10%	18.0	14.0
SFB040404-22NM	22±20%	0.32±10%	19.0	40.0
SFB040404-65NL	65±15%	0.32±10%	19.0	24.0
SFB040404-80NL	80±15%	0.32±10%	19.0	20.0
SFB040404-R10L	100±15%	0.32±10%	19.0	16.0
SFB040404-R11L	110±15%	0.32±10%	19.0	14.0

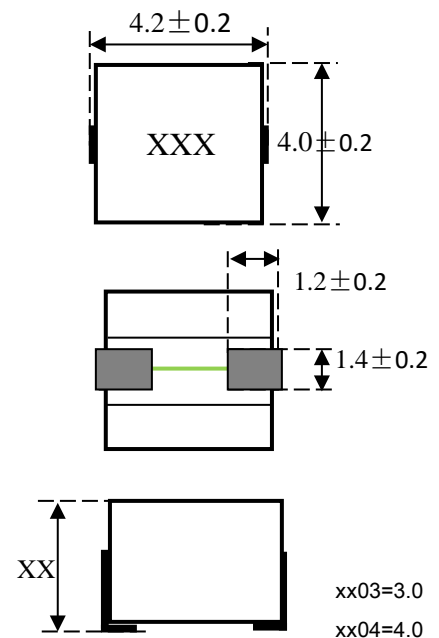
Note:

- (1). All test data is referenced to 25°C ambient.
- (2). Operating Temperature Range -40°C to +125°C.
- (3). DC current(A) that will cause an approximate ΔT of 40°C.
- (4). DC current(A) that will cause Lo to drop approximately 20%.

### Typical Performance Curves



### Dimensions (mm)



### Recommender PCB Layout

