

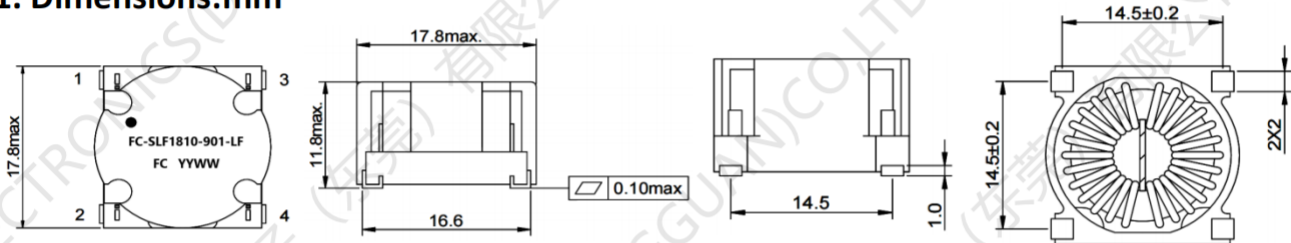
## Common Mode Power Line Choke FC-SLF1810-901-LF

### Features:

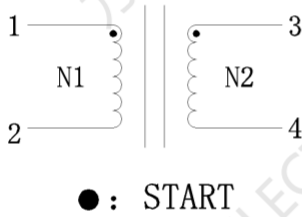
1. SMD power line choke
2. Compact size
3. Toroidal core with sector winding
4. Insulation Test Voltage: 500VAC
5. Rated Current: 6.5A  $\Delta T \leq 45^\circ\text{C}$  (Does not include room temperature)
6. High attenuation of common mode interferences in low and middle frequency range
7. Recommended solder profile: Reflow
8. Operating temperature:  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$



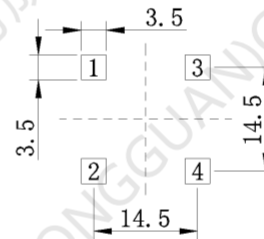
### 1. Dimensions:mm



### 2. Schematic:



### 3. Recommended Land Pattern: mm



### 4. Electrical Properties

NO.	ITEMS	MEASURING POINT	TECHNICAL DATA	TEST CONDITION	INSTRUMENT
1	Inductors	N1=N2	0.9mH /MIN	1KHz, 0.3V, 25°C	HP4284A
2	IR	COIL~CORE	100Mohm MIN	DC500V	MF2511
3	turns Ratio	N1:N2	1:1	20KHz, 1V, 25°C	TH3250
4	DCR	N1=N2	25mΩ /MAX	25°C	CH502
5	Insulation Test Voltage	COIL => COIL	500V/AC	50Hz 1mA 2S	CJ2670
6	Rated Current	N1/N2	6.5A	$\Delta T \leq 45^\circ\text{C}$ Does not include room temperature	6240

Ambient temperature :  $-40^\circ\text{C}$  to  $+85^\circ\text{C}$   
 Operating temperature:  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$