

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSB0503TL-015

### 1. FEATURES:

1. Low profile: 2.3mm(Max)
2. Common mode impedance of 90Ω at 300MHz.
3. Operating temperature Range: -25°C ~ +85°C
4. Suitable for reflow soldering.

### 2. APPLICATIONS:

HSB0503TL Series is a dual wound common mode choke w/c is ideal for NOISE ATTENUATION in a twisted pair cable interfaces as well as IEEE 1394 & USB2.0 applications. An excellent impedance balance between two sets of twisted pairs is achieved by winding across a single core.

One HSB0503TL common mode choke coil per interface port is possible with this dual winding configurations.

### 3. PART NUMBER SYSTEM:

HSB - 0503 - TL - 015

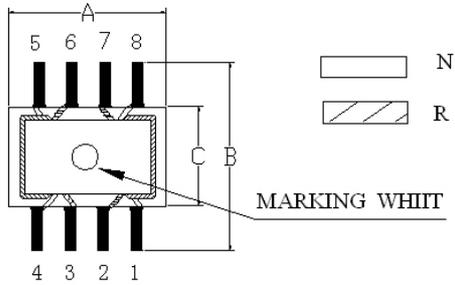
(1)            (2)            (3)            (4)

- (1) Series name.
- (2) 0503 is size.
- (3) TL is reel tape package.
- (4) 015 is sequence number

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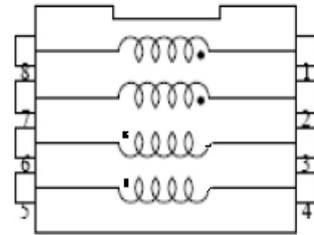
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### 4. PHYSICAL CHARACTERISTICS:

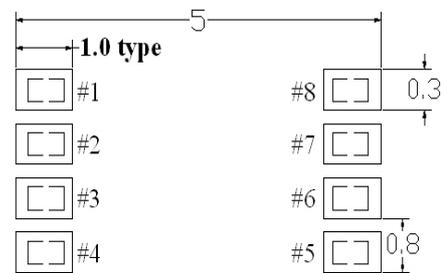


A	B	C	D	E
3.5±0.35	5.0±0.3	2.5±0.3	2.285Max	0.8

### ELECTRICAL SCHEMATIC



### PAD LAYOUT



### 5. ELECTRICAL CHARACTERISTICS:

Part Number	Rated current	R DC (Max)	Impedance Common mode (HP-4291B)	Rated Voltage	Withstanding Voltage (CH-901)	Insulation Resistance (CH-702A)
HSB0503TL-015	0.50A	0.1Ω	90Ω @ 300MHz	DC 80V	AC150V	DC100V