

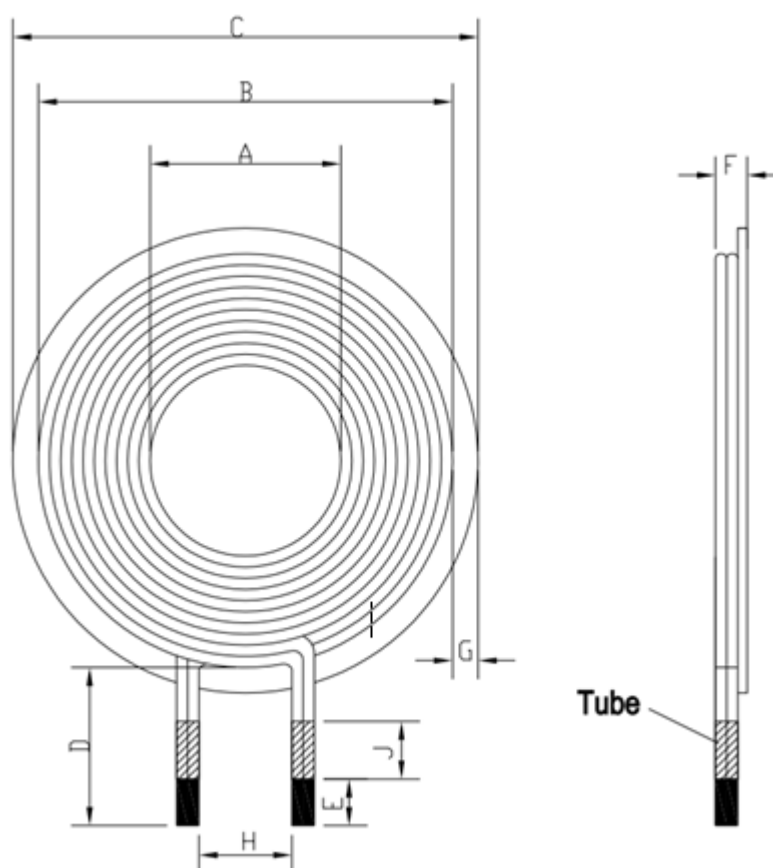
## 1. Part No. Expression:

**S C T 5 0 0 4 6 R 3 K M P 1 1**

(a) (b) (c) (d) (e)

- |                     |                    |
|---------------------|--------------------|
| (a) Series Code     | (d) Tolerance Code |
| (b) Dimension Code  | (e) Internal Code  |
| (c) Inductance Code |                    |

## 2. Configuration & Dimensions (Unit: mm)



| A        | B        | C        | D        | E       |
|----------|----------|----------|----------|---------|
| 20.5±0.5 | 44.0±1.5 | 50.0±0.5 | 17.0±2.0 | 5.0±2.0 |
| F        | G        | H        | J        | -       |
| 4.0 Max  | 2.0 Min  | 10.0 Ref | 8.0 Ref  | -       |

NOTE: Specifications subject to change without notice. Please check our website for latest information.

### 3. Schematic:



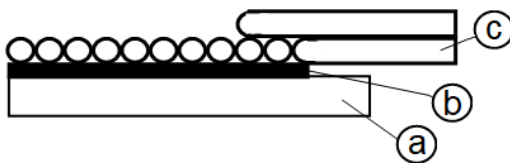
### 4. Features and Application

| Inductance<br>(uH)<br>±10% | Test<br>Frequency | DCR<br>(mΩ)<br>Max | Irms<br>(mA)<br>Max |
|----------------------------|-------------------|--------------------|---------------------|
| 6.3                        | 1V/100KHz         | 25                 | 10000               |

### 5. Electrical Specifications

- (a) Operating Temp.: -40°C to +85°C
- (b) Storage Temp.: -40°C to +85°C (Packaging)
- (c) Heat Rated Current (I<sub>rms</sub>) will cause the coil temperature rise  $\Delta T$  of 40°C Max.
- (d) Power Rating: 15W
- (e) Compatible to Qi standard MP-A11 design.

### 6. Material List



- (a) Ferrite Sheet (MnZn)
- (b) Adhesive
- (c) Wire

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