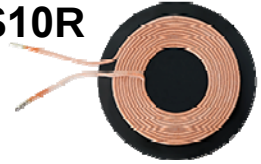


# Wireless Charging Coil Assembly-MQQTTC505030S10R

Tx Coil

Operating Temp. : -25℃~+85℃

IDT P9238  
NXP NXQ1TXL5



## FEATURES

- Low profile
- High mechanical intensity

## APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

## PRODUCT IDENTIFICATION

**MQ**

①

**Q**

②

**T**

③

**C**

④

**505030**

⑤

**S**

⑥

**10R**

⑦

| ①  | Product                         |
|----|---------------------------------|
| MQ | Wireless Charging Coil Assembly |

| ② | Type               |
|---|--------------------|
| Q | Induction (Close)  |
| P | Induction (sparse) |

| ③ | Location    |
|---|-------------|
| T | Transmitter |
| R | Receiver    |

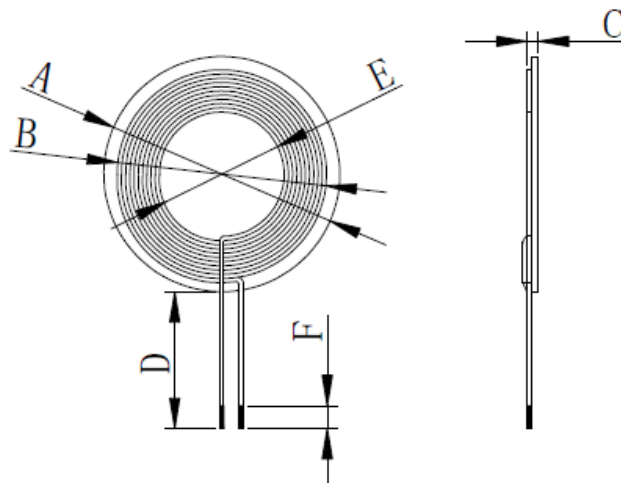
| ④ | Shape     |
|---|-----------|
| C | Circle    |
| R | Rectangle |

| ⑤      | External Dimensions |
|--------|---------------------|
| 505030 | (L×W×H) 50×50×3.0mm |

| ⑥ | Ferrite Feature type |
|---|----------------------|
| S | Thin sheet           |
| T | Central boss         |

| ⑦   | Inductance |
|-----|------------|
| 10R | 10uH       |

## SHAPE AND DIMENSIONS



Unit: mm

| ITEM  | A    | B      | C     | D    | E        | F   |
|-------|------|--------|-------|------|----------|-----|
| SPEC. | 50±1 | 44 Max | 3±0.4 | 30±3 | 20.5±0.5 | 5±2 |

**Sunlord**

Specifications subject to change without notice. Please check our website for latest information. Revised 2017/07/11

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## Winding specification

| Coil Number | Wire     | Turns |
|-------------|----------|-------|
| 1           | 0.08*105 | 10    |

## SPECIFICATION

| Part Number     | Old Part Number | Inductance | DC Resistance |
|-----------------|-----------------|------------|---------------|
| Test condition  |                 | 100kHz     | 20±10℃        |
| Units           |                 | uH         | mΩ            |
| MQQTC505030S10R | SWA50N50H30C01B | 10μH±10%   | 38mΩ ±20%     |

## CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

| Inductance Range | DC Resistance Range | Dimensions Range | Thickness Range |
|------------------|---------------------|------------------|-----------------|
| uH               | m                   | mm               | mm              |
| 1-100            | 10-1000             | 6-200            | 0.2-10          |