

# Specification



|        |              |
|--------|--------------|
| Number | 20240822003  |
| Date   | Aug 22, 2024 |

|              |                           |
|--------------|---------------------------|
| Customer     |                           |
| Product      | 8346 Single Charging Coil |
| Part Number  | 20240822003-9T-L=50MM     |
| Customer P/N |                           |

【☐ New Edition ☐ Revision】 【 Total 3 Pages 】 【 RoHS Compliant Parts 】

|      |       |         |
|------|-------|---------|
| Edit | Check | Approve |
|      |       |         |

Please sign the acknowledgement and send back in 30 days.

【Customer Approval】

Date:

Status:    ☐Complete    ☐Conditions    ☐Refuse

|         |       |       |              |
|---------|-------|-------|--------------|
| Approve | Audit | Check | Double Check |
|         |       |       |              |

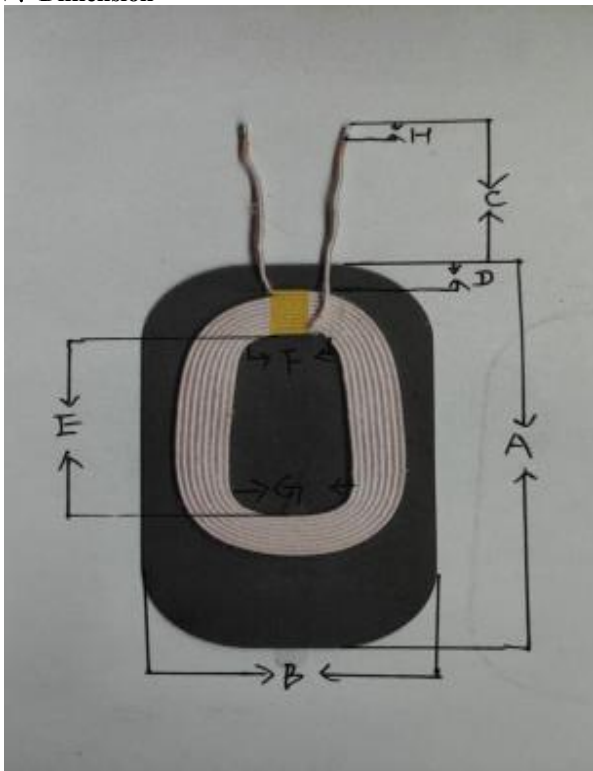
Instructions:

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# Specification

|                             |                       |                           |             |
|-----------------------------|-----------------------|---------------------------|-------------|
| Customer                    |                       | Customer P/N              |             |
| Part Number                 | 20240822003-9T-L=50MM | Spec. No.                 | 20240822003 |
| Publish and Revision Record |                       |                           |             |
| Edition                     | Effective Date        | Reason for Revision       | Audit       |
| 003                         | Aug 22, 2024          | New Specification Release |             |
| Edit                        |                       | Audit                     | Approve     |
|                             |                       |                           |             |

Specification

|                                                                                                                                                                                                                                                                                                                                    |                       |           |                                     |                   |               |                   |               |      |            |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-------------------------------------|-------------------|---------------|-------------------|---------------|------|------------|--|--|
| Customer                                                                                                                                                                                                                                                                                                                           |                       |           |                                     |                   |               |                   |               |      |            |  |  |
| Part Number                                                                                                                                                                                                                                                                                                                        | 20240822003-9T-L=50MM | Spec. No. | 20240822003                         | Edition           | 003           |                   |               |      |            |  |  |
| <div>◆、Dimension</div> <div></div> <div>天线增益 Antenna gain:</div> <table><tr><td>Operation frequency:</td><td>113kHz-205kHz</td></tr><tr><td>Antenna Type:</td><td>Loop coil Antenna</td></tr><tr><td>Antenna gain:</td><td>0dBi</td></tr></table> |                       |           | Operation frequency:                | 113kHz-205kHz     | Antenna Type: | Loop coil Antenna | Antenna gain: | 0dBi | (Unit: mm) |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | Operation frequency:                | 113kHz-205kHz     |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | Antenna Type:                       | Loop coil Antenna |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | Antenna gain:                       | 0dBi              |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | A                                   | 83.0 ±1           |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | B                                   | 46.0 ±1           |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | C                                   | 50.0 ±1           |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | D                                   | 6.0 ±1            |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | E                                   | 39.0 ±0.5         |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | F                                   | 15.5 ±0.5         |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | G                                   | 19.0 ±0.5         |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | H                                   | 3.0 ±1            |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | Remarks                             |                   |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           | (1) Cable Dia.: 0.08*105P Silk Wire |                   |               |                   |               |      |            |  |  |
| (2) Q'ty of Circle: 9TS                                                                                                                                                                                                                                                                                                            |                       |           |                                     |                   |               |                   |               |      |            |  |  |
| (3) Cable Cross: W1 Yes; W2 No                                                                                                                                                                                                                                                                                                     |                       |           |                                     |                   |               |                   |               |      |            |  |  |
| (4) Double-sided Tape on the Bottom                                                                                                                                                                                                                                                                                                |                       |           |                                     |                   |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           |                                     |                   |               |                   |               |      |            |  |  |
|                                                                                                                                                                                                                                                                                                                                    |                       |           |                                     |                   |               |                   |               |      |            |  |  |

|                              |              |               |           |                                     |                 |
|------------------------------|--------------|---------------|-----------|-------------------------------------|-----------------|
| ◆、Electrical Characteristic: |              |               |           |                                     |                 |
| Parameter                    |              | Specification |           | Condition                           | Test Instrument |
| LO                           | 6.8 ±10%     | μH            | 100KHz/1V | ■TH1816B<br>■CH-502BC<br>■CH-502BC  |                 |
| Q                            | >49          | min           | 100KHz/2V |                                     |                 |
| DCR                          | <45          | mΩ            | @ 25°C    |                                     |                 |
| ◆、Temperature:               |              |               |           |                                     |                 |
| Operating Temp               | -40°C~ 125°C |               |           |                                     |                 |
|                              |              |               |           |                                     |                 |
| BOM                          |              |               |           |                                     |                 |
| No                           | Name         | Specification | Supplier  | Remarks                             |                 |
| 1                            | Magnet       | 8346*0.8      |           | PC40 MnZnCr Magnet                  |                 |
| 2                            | Copper Wire  | 0.08*105P     |           | Standard Carbanide Copper Silk Wire |                 |
| 3                            | Tape         | 8MM           |           | Environment Protection Tape         |                 |
| 4                            | Tin          | 107H          |           | Environment Protection Tin          |                 |
| 5                            | Glue         | Double-sided  |           | Environment Protection Tape         |                 |
|                              |              |               |           |                                     |                 |
| Edit                         |              | Audit         |           | Approve                             |                 |
|                              |              |               |           |                                     |                 |