

## SPECIFICATION FOR APPROVAL

CUSTOMER: **Shenzhen Aodehong Electronic Technology Co., LTD**

CUST P/N:

FINE P/N: **G4511-6.5uH single coil 0.08\*105P\*12TS**DESC: **Φ43.5MMX5.0MMX0.8MM double-groove**DATE: **November, 1,2022**Version: **A.0**

| PREPARED BY      | CHECKED BY  | APPROVED BY  | CUSTOMER APPROVE |
|------------------|-------------|--------------|------------------|
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| Rev. | Before Change | After Change | Change Date  | Approved By |
|------|---------------|--------------|--------------|-------------|
| A.0  | New issue     | ----         | July,24,2018 | Jinhua      |

## SPECIFICATION

| DESC                                                                 | $\Phi$<br>13.5x39-6.5uH-0.08x105P-20mm-43.5C |          | Rev: A.0                    | CUST:           | XXX               |
|----------------------------------------------------------------------|----------------------------------------------|----------|-----------------------------|-----------------|-------------------|
|                                                                      |                                              |          |                             | CUST P/N:       |                   |
| 一、DIMENSION:(mm)                                                     |                                              |          |                             | A               | 43.5.0 $\pm$ 0.5  |
|                                                                      |                                              |          |                             | B               | 39 $\pm$ 1        |
|                                                                      |                                              |          |                             | C               | 13.5 $\pm$ 0.5    |
|                                                                      |                                              |          |                             | D               | 20 $\pm$ 2        |
|                                                                      |                                              |          |                             | E               | 3 $\pm$ 2         |
|                                                                      |                                              |          |                             | F               | 2 $\pm$ 0.2       |
|                                                                      |                                              |          |                             |                 |                   |
|                                                                      |                                              |          |                             |                 |                   |
| For phone/earphone: 111kHz-205kHz                                    |                                              |          |                             |                 |                   |
| Antenna gain: 0dBi                                                   |                                              |          |                             |                 |                   |
| 二、SCHEMATIC DIAGRAM:                                                 |                                              |          |                             |                 |                   |
|                                                                      |                                              |          |                             |                 |                   |
| 三、Winding Specification:                                             |                                              |          |                             |                 |                   |
| NO.                                                                  | TERMINAL                                     |          | WIRE                        | Turns           | Winding Direction |
| 1                                                                    | S                                            | F        | silk-covered wire 0.08*105P | 12Ts            | CCW               |
| 四、ELECTRICAL CHARACTERISTICS:                                        |                                              |          |                             |                 |                   |
| TEMPERATURE:25 $\pm$ 10 $^{\circ}$ C, RELATIVE HUMIDITY:65 $\pm$ 20% |                                              |          |                             |                 |                   |
| NO.                                                                  | ITEM                                         | TERMINAL | SPECIFICATION               | TEST FREQUENCY  | TEST EQUIPMENTS   |
| 1                                                                    | IND.                                         | S-F      | 3.8uH $\pm$ 20% single coil | 100KHz/1.0V     | LCZ METER 1062B   |
| 2                                                                    | IND.                                         | S-F      | 6.5uH $\pm$ 10% +           | 100KHz/1.0V     | LCZ METER 1062B   |
| 3                                                                    | Q                                            | S-F      | $\geq$ 55                   |                 |                   |
| 4                                                                    | DCR                                          | S-F      | $\leq$ 48m $\Omega$         |                 | LCZ METER 502B    |
| PREPARED BY/DATE                                                     |                                              |          |                             | CHECKED BY/DATE |                   |

Yanming Huang   **November 1, 2022****Jinhua Huang**   **November 1,2022**