

| 15W mobile phone charging coil product specification |  |                                            |  |                                      |  |                |             |               |  |                                                               |  |                                         |  |          |  |
|------------------------------------------------------|--|--------------------------------------------|--|--------------------------------------|--|----------------|-------------|---------------|--|---------------------------------------------------------------|--|-----------------------------------------|--|----------|--|
| brand                                                |  | DONGGUAN KIMCHEN INDUSTRY<br>INTL. LIMITED |  | Coil type                            |  | A11            |             | Material type |  | MPP                                                           |  | versions                                |  | 01       |  |
| ◆ 、outline drawing                                   |  |                                            |  |                                      |  |                |             |               |  |                                                               |  |                                         |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | (unit: mm)                              |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | A                                       |  | 20±0.5   |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | B                                       |  | 20.5±0.5 |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | C                                       |  | 40±1     |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | D                                       |  | 43+0/-1  |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | E                                       |  | 3±1      |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | F                                       |  | 5±1      |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | G                                       |  | 0.8±0.05 |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | H                                       |  | 2.2MAX   |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | I                                       |  | 5±2      |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | remark                                  |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | (1)Wire Dia: 0.08*80P Stranded wire     |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | (2)Turns:10Ts                           |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | (3)Wdg. TypeSpred/Close: ( Close )      |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | (4)IntersectYes/Not:Yes                 |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | (5)Coil Positive/Anti Paste:Anti/-Paste |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  | (6)Wdg.Direction: Anticlockwise         |  |          |  |
| ◆ 、electrical specification:                         |  |                                            |  |                                      |  |                |             |               |  |                                                               |  |                                         |  |          |  |
| parameter                                            |  | Spec                                       |  |                                      |  | TEST FREQUENCY |             |               |  | TEST EQUIPMENTS                                               |  |                                         |  |          |  |
| L(W1)                                                |  | 8uH± 10%                                   |  | μ H                                  |  | 100KHz/1V      |             |               |  | ■TH2816B<br>■CH-502BC<br>■TH1816B                             |  |                                         |  |          |  |
| DCR(W1)                                              |  | <200                                       |  | mΩ                                   |  | @ 25℃          |             |               |  |                                                               |  |                                         |  |          |  |
| Q                                                    |  | >20                                        |  | min                                  |  | 100KHz/1V      |             |               |  |                                                               |  |                                         |  |          |  |
| ◆ 、temperature grade:                                |  |                                            |  |                                      |  |                |             |               |  |                                                               |  |                                         |  |          |  |
| operating temperature                                |  | -40℃~ 125℃                                 |  |                                      |  |                |             |               |  |                                                               |  |                                         |  |          |  |
|                                                      |  |                                            |  |                                      |  |                |             |               |  |                                                               |  |                                         |  |          |  |
| bill of materials                                    |  |                                            |  |                                      |  |                |             |               |  |                                                               |  |                                         |  |          |  |
| NO                                                   |  | Material name                              |  | Material Code                        |  |                | Vendor code |               |  | Description                                                   |  |                                         |  |          |  |
| 1                                                    |  | wire rod                                   |  | JX-2U-F-0025                         |  |                | ZY          |               |  | 0.08*80P Stranded wire                                        |  |                                         |  |          |  |
| 2                                                    |  | ferrite                                    |  | GCP-T-00189                          |  |                | KL          |               |  | G43 (+0-1) *5.3*0.8±0.1H (with hole, with double slot L slot) |  |                                         |  |          |  |
| 3                                                    |  | 3M double-sided tape                       |  | SMJ-T-0064                           |  |                | WY          |               |  | 40*0.08H (no hole, top right slotted with hand tear)          |  |                                         |  |          |  |
| 4                                                    |  | insulating tape                            |  | High-temperature adhesive paper 5MM  |  |                | JRM         |               |  | 5mm                                                           |  |                                         |  |          |  |
| 5                                                    |  | Glue                                       |  | E7202W                               |  |                | HZY         |               |  | JS-E7202(thickened) white glue                                |  |                                         |  |          |  |
| 6                                                    |  | tin bar                                    |  | Lead-free high temperature tin strip |  |                | XC          |               |  | Environmentally friendly lead-free solder bar                 |  |                                         |  |          |  |
| 7                                                    |  | minicycle                                  |  | GCP-T-0080                           |  |                | HBC         |               |  | round20*0.8H                                                  |  |                                         |  |          |  |
| 8                                                    |  | Small double-sided tape                    |  | SMJ-T-0056                           |  |                | WY          |               |  | 15*0.08H (with hand tear)                                     |  |                                         |  |          |  |

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