



### ELECTRICAL SPECIFICATIONS

|                                    |                |
|------------------------------------|----------------|
| 1. Impedance                       | 50 Ω           |
| 2. Frequency range                 | DC~18GHz       |
| 3. VSWR                            | ≤1.15          |
| 4. Dielectric withstanding voltage | 1000V          |
| 5. Insulation resistance           | 5000MΩ         |
| 6. Contact resistance              |                |
| Center conductor                   | ≤3mΩ           |
| Outer conductor                    | ≤2mΩ           |
| 7. Operating Temperature           | -55° C~+105° C |
| 8. Durability                      | 500 Cycles     |

### MATERIAL SPECIFICATIONS

1. Center conductor: Gold plated 0.2μm (Nickel underplated) over beryllium copper
2. Outer conductor: Passivation Stainless steel 303F.
3. Insulators: PTFE.

|  |                            |      |                             |               |       |      |        |     |
|--|----------------------------|------|-----------------------------|---------------|-------|------|--------|-----|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS IN mm<br>TOLERANCES:<br>GENERAL:<br>X ±0.15<br>X.X ±0.10<br>X.XX ±0.05<br>ANGLES: ±2°<br>VIEW PROJECTION | <b>CONNECTOR DATASHEET</b> |      | Raynool Technology Co., Ltd |               |       |      |        |     |
|  | SMA STARIGHT FLANGE JACK   |      | SMA-KFD3                    |               |       |      |        |     |
|  | DRAWN                      |      | DWG NO.                     | RN-M54FT11F01 |       | SIZE | A4     |     |
|  | CHECK                      |      | SHEET/OF                    | 1/1           | SCALE | 4:1  | WEIGHT | REV |
| APPROVAL   |                            | NAME | DATE                        |               |       |      |        |     |