



| No. | Model             | D(Diameter)  | L(Length)   | B(Diameter) | screw thread |
|-----|-------------------|--------------|-------------|-------------|--------------|
| 1   | 1.85-KYD80112-04  | 0.30 [0.012] | 1.2 [0.047] | 5.4 [0.213] | 1/4-36UNS-2A |
| 2   | 1.85-KYD80112-080 | 0.30 [0.012] | 2.0 [0.079] | 5.4 [0.213] | 1/4-36UNS-2A |
| 3   | 1.85-KYD80212-04  | 0.30 [0.012] | 1.2 [0.047] | 4.8 [0.190] | M6X0.75-6g   |
| 4   | 1.85-KYD80212-080 | 0.30 [0.012] | 2.0 [0.079] | 4.8 [0.190] | M6X0.75-6g   |

### Electrical & Environmental Characteristics

|                                 |                        |
|---------------------------------|------------------------|
| Impedance                       | 50 Ω                   |
| Insulation Resistance           | 5000 MΩ                |
| Operating Frequency             | DC~65GHz               |
| Dielectric Withstanding Voltage | 1000V                  |
| VSWR                            | ≤1.15                  |
| Insertion Loss                  | ≤0.05* $\sqrt{f\_GHz}$ |
| Operating Temperature           | - 55~+165 °C           |

### Material & Coat-Plating

|                 |                             |
|-----------------|-----------------------------|
| Inner Conductor | Beryllium Copper, Gold      |
| Dielectric      | PEI 1000                    |
| Body            | Stainless Steel, Passivated |
| Coupling Nut    | NA                          |

|                                       |   |                  |  |                    |              |
|---------------------------------------|---|------------------|--|--------------------|--------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT |   | DWN              | Suzhou Talent Microwave, Inc   |                    |              |
|                                       |   | CHK              |  |                    |              |
| Unit<br>mm                            | TOLERANCES UNLESS OTHERWISE SPECIFIED<br>0 PLC ±0.25<br>1 PLC ±0.15<br>2 PLC ±0.12<br>3 PLC ±<br>ANGLES ±1° | APVD             | Product Model<br><br><b>1.85-KYD80112-080</b><br>1.85mm Female Connector |                    |              |
| MATERIAL<br>SEE TABLE                 | FINISH<br>SEE TABLE   | WEIGHT           | SIZE<br>A4   | GAGE CODE<br>0T8L4 | DRAWING NO   |
|                                       |   | CUSTOMER DRAWING |  |                    | SHEET 1 OF 1 |
|                                       |   |                  |  |                    | RVE 1        |