



| No. | Model           | D(Diameter)  | L(Length)    |
|-----|-----------------|--------------|--------------|
| 1   | 1.85-KFD50509   | 0.23 [0.009] | 7 [0.276]    |
| 2   | 1.85-KFD5051201 | 0.30 [0.012] | 1.2 [0.047]  |
| 3   | 1.85-KFD5051202 | 0.30 [0.012] | 2 [0.079]    |
| 4   | 1.85-KFD5052301 | 0.58 [0.023] | 3.7 [0.145]  |
| 5   | 1.85-KFD5052302 | 0.58 [0.023] | 5.85 [0.230] |
| 6   | 1.85-KFD5052303 | 0.58 [0.023] | 19.1 [0.752] |
| 7   | 1.85-KFD50525   | 0.64 [0.025] | 6 [0.236]    |
| 8   | 1.85-KFD50531   | 0.80 [0.031] | 7 [0.276]    |

### Electrical & Environmental Characteristics

|                                 |                        |
|---------------------------------|------------------------|
| Impedance                       | 50 Ω                   |
| Insulation Resistance           | 5000 MΩ                |
| Operating Frequency             | DC~67GHz               |
| Dielectric Withstanding Voltage | 1000V                  |
| VSWR                            | ≤1.15                  |
| Insertion Loss                  | ≤0.05* $\sqrt{f\_GHz}$ |
| Operating Temperature           | - 55~+165℃             |

### Material & Coat-Plating

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

|                                       |  |                  |  |                    |              |       |
|---------------------------------------|--|------------------|--|--------------------|--------------|-------|
| 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>3 PLC ±<br>ANGLES ±1° | APVD             | Product Model<br><br><b>1.85-KFD50531</b><br><b>1.85mm Female Flange Connector</b> |                    |              |       |
|                                       |  | PRODUCT SPEC     |  |                    |              |       |
|                                       |  | APPLICATION SPEC |  |                    |              |       |
| MATERIAL<br>SEE TABLE                 | FINISH<br>SEE TABLE  | WEIGHT           | SIZE<br>A4   | GAGE CODE<br>OT8L4 | DRAWING NO   |       |
|                                       |  | CUSTOMER DRAWING |  |                    | SHEET 1 OF 1 | RVE 1 |