



| No. | Model           | D(Diameter)  | L(Length)    |
|-----|-----------------|--------------|--------------|
| 1   | 1.85-KFD50609   | 0.23 [0.009] | 7 [0.276]    |
| 2   | 1.85-KFD5061201 | 0.30 [0.012] | 1.2 [0.047]  |
| 3   | 1.85-KFD5061202 | 0.30 [0.012] | 2 [0.079]    |
| 4   | 1.85-KFD5062301 | 0.58 [0.023] | 3.7 [0.145]  |
| 5   | 1.85-KFD5062302 | 0.58 [0.023] | 5.85 [0.230] |
| 6   | 1.85-KFD5062303 | 0.58 [0.023] | 19.1 [0.752] |
| 7   | 1.85-KFD50625   | 0.64 [0.025] | 6 [0.236]    |
| 8   | 1.85-KFD50631   | 0.80 [0.031] | 7 [0.276]    |

### Electrical & Environmental Characteristics

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Impedance                       | 50 $\Omega$                       |
| Insulation Resistance           | 5000 M $\Omega$                   |
| Operating Frequency             | DC~67GHz                          |
| Dielectric Withstanding Voltage | 1000V                             |
| VSWR                            | $\leq 1.15$                       |
| Insertion Loss                  | $\leq 0.05 * \text{Sqrt}(f\_GHz)$ |
| Operating Temperature           | - 55~+165 $^{\circ}C$             |

### 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 mm                               | TOLERANCES UNLESS OTHERWISE SPECIFIED<br>0 PLC $\pm 0.25$<br>1 PLC $\pm 0.15$<br>2 PLC $\pm 0.12$<br>3 PLC $\pm$<br>3 PLC $\pm$<br>ANGLES $\pm 1^{\circ}$ | APVD             | Product Model<br><br><b>1.85-KFD50625</b><br><b>1.85mm Female Flange Connector</b> |                 |              |       |
|                                       |   | PRODUCT SPEC     |  |                 |              |       |
|                                       |   | APPLICATION SPEC |  |                 |              |       |
| MATERIAL SEE TABLE                    | FINISH SEE TABLE  | WEIGHT           | SIZE A4  | GAGE CODE OT8L4 | DRAWING NO   |       |
|                                       |   | CUSTOMER DRAWING |  |                 | SHEET 1 OF 1 | RVE 1 |