



| No. | Model             | D(Diameter)  | L(Length)     |
|-----|-------------------|--------------|---------------|
| 1   | SMA-KFD50612-078  | 0.30 [0.012] | 2 [0.079]     |
| 2   | SMA-KFD50620-236  | 0.50 [0.020] | 6 [0.236]     |
| 3   | SMA-KFD50624-1024 | 0.60 [0.024] | 26 [1.024]    |
| 4   | SMA-KFD50625-98   | 0.64 [0.025] | 2.5 [0.098]   |
| 5   | SMA-KFD50625-236  | 0.64 [0.025] | 6 [0.236]     |
| 6   | SMA-KFD50625-787  | 0.64 [0.025] | 20.8 [0.819]  |
| 7   | SMA-KFD50625-709  | 0.64 [0.025] | 18 [0.709]    |
| 8   | SMA-KFD50631-839  | 0.80 [0.031] | 21.3 [0.839]  |
| 9   | SMA-KFD50631-980  | 0.80 [0.031] | 24.9 [0.980]  |
| 10  | SMA-KFD50631-2362 | 0.80 [0.031] | 60 [2.362]    |
| 11  | SMA-KFD50634-430  | 0.87 [0.034] | 10.92 [0.430] |
| 12  | SMA-KFD50634-818  | 0.87 [0.034] | 20.8 [0.819]  |
| 13  | SMA-KFD50634-1024 | 0.87 [0.034] | 26 [1.024]    |
| 14  | SMA-KFD50634-1388 | 0.87 [0.034] | 35 [1.378]    |

### Electrical & Environmental Characteristics

|                                 |                        |
|---------------------------------|------------------------|
| Impedance                       | 50 Ω                   |
| Insulation Resistance           | 5000 MΩ                |
| Operating Frequency             | DC~26.5GHz             |
| 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      | PTFE                        |
| 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>SMA-KFD50625-709</b><br>SMA Female Flange Connector |                    |              |       |
|                                       |  | PRODUCT SPEC     |   |                    |              |       |
|                                       |  | APPLICATION SPEC |   |                    |              |       |
| 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 |