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| 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                   |

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| No. | Model             | D(Diameter)  | L(Length)     |
|-----|-------------------|--------------|---------------|
| 1   | SMA-KFD50512-078  | 0.30 [0.012] | 2 [0.079]     |
| 2   | SMA-KFD50520-236  | 0.50 [0.020] | 6 [0.236]     |
| 3   | SMA-KFD50524-1024 | 0.60 [0.024] | 26 [1.024]    |
| 4   | SMA-KFD50525-98   | 0.64 [0.025] | 2.5 [0.098]   |
| 5   | SMA-KFD50525-236  | 0.64 [0.025] | 6 [0.236]     |
| 6   | SMA-KFD50525-787  | 0.64 [0.025] | 20.8 [0.819]  |
| 7   | SMA-KFD50525-709  | 0.64 [0.025] | 18 [0.709]    |
| 8   | SMA-KFD50531-839  | 0.80 [0.031] | 21.3 [0.839]  |
| 9   | SMA-KFD50531-980  | 0.80 [0.031] | 24.9 [0.980]  |
| 10  | SMA-KFD50531-2362 | 0.80 [0.031] | 60 [2.362]    |
| 11  | SMA-KFD50534-430  | 0.87 [0.034] | 10.92 [0.430] |
| 12  | SMA-KFD50534-818  | 0.87 [0.034] | 20.8 [0.819]  |
| 13  | SMA-KFD50534-1024 | 0.87 [0.034] | 26 [1.024]    |
| 14  | SMA-KFD50534-1388 | 0.87 [0.034] | 35 [1.378]    |

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|                                       |                                       |              |                                                                       |           |            |
|---------------------------------------|---------------------------------------|--------------|-----------------------------------------------------------------------|-----------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT |                                       | DWN          | Turpanic Co, Ltd ,Inc                                                 |           |            |
|                                       |                                       | CHK          |                                                                       |           |            |
| Unit<br>mm                            | TOLERANCES UNLESS OTHERWISE SPECIFIED | APVD         | Product Model<br><br>SMA-KFD50534-1388<br>SMA Female Flange Connector |           |            |
|                                       | 0 PLC ±0.25                           | PRODUCT SPEC |                                                                       |           |            |
|                                       | 1 PLC ±0.15                           |              |                                                                       |           |            |
|                                       | 2 PLC ±0.12                           |              |                                                                       |           |            |
|                                       | 3 PLC ±-                              |              |                                                                       |           |            |
| 3 PLC ±-                              | APPLICATION SPEC                      |              |                                                                       |           |            |
| ANGLES ±1°                            |                                       |              |                                                                       |           |            |
| MATERIAL                              | FINISH                                | WEIGHT       | SIZE                                                                  | GAGE CODE | DRAWING NO |
| SEE TABLE                             | SEE TABLE                             |              | A4                                                                    | 0T8L4     |            |
| CUSTOMER DRAWING                      |                                       |              |                                                                       |           |            |

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