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| Electrical & Environmental Characteristics |                        |
|--------------------------------------------|------------------------|
| Impedance                                  | 50 Ω                   |
| Insulation Resistance                      | 5000 MΩ                |
| Operating Frequency                        | DC~50GHz               |
| 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 |

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| No. | Model          | D(Diameter)  | L(Length)    |
|-----|----------------|--------------|--------------|
| 1   | 2.4-KFD50312   | 0.30 [0.012] | 7 [0.276]    |
| 2   | 2.4-KFD5032501 | 0.64 [0.025] | 6.83 [0.269] |
| 3   | 2.4-KFD5032502 | 0.64 [0.025] | 10 [0.394]   |
| 4   | 2.4-KFD50329   | 0.75 [0.029] | 9 [0.354]    |
| 5   | 2.4-KFD50334   | 0.86 [0.034] | 8.75 [0.344] |
| 6   | 2.4-KFD50339   | 1.00 [0.039] | 5.5 [0.216]  |
| 7   | 2.4-KFD50341   | 1.04 [0.041] | 6.34 [0.250] |
| 8   | 2.4-KFD5034102 | 1.04 [0.041] | 8 [0.314]    |
| 9   | 2.4-KFD50347   | 1.20 [0.047] | 3 [0.118]    |

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| THIS DRAWING IS A CONTROLLED DOCUMENT |                                       | DWN              | Turpanic Co, Ltd              |                 | ,Inc       |
|---------------------------------------|---------------------------------------|------------------|-------------------------------|-----------------|------------|
|                                       |                                       | CHK              |                               |                 |            |
| Unit                                  | TOLERANCES UNLESS OTHERWISE SPECIFIED | APVD             | Product Model                 |                 |            |
| mm                                    |                                       |                  | 2.4-KFD5032502                |                 |            |
|                                       | 0 PLC ±0.25                           | PRODUCT SPEC     | 2.4mm Female Flange Connector |                 |            |
|                                       | 1 PLC ±0.15                           |                  |                               |                 |            |
|                                       | 2 PLC ±0.12                           |                  |                               |                 |            |
|                                       | 3 PLC ±                               |                  |                               |                 |            |
|                                       | 3 PLC ±                               | APPLICATO N SPEC |                               |                 |            |
|                                       | ANGLES ±1°                            |                  |                               |                 |            |
| MATEIAL                               | FINISH                                | WEIGHT           | SIZE A4                       | GAGE CODE 0T8L4 | DRAWING NO |

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