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| Electrical & Environmental Characteristics |                        |
|--------------------------------------------|------------------------|
| Impedance                                  | 50 Ω                   |
| Insulation Resistance                      | 5000 MΩ                |
| Operating Frequency                        | DC~65GHz               |
| 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 |

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| No. | Model            | D(Diameter)  | L(Length)    |
|-----|------------------|--------------|--------------|
| 1   | 1. 85-KFD50109   | 0.23 [0.009] | 7 [0.276]    |
| 2   | 1. 85-KFD5011201 | 0.30 [0.012] | 1.2 [0.047]  |
| 3   | 1. 85-KFD5011202 | 0.30 [0.012] | 2 [0.079]    |
| 4   | 1. 85-KFD5012301 | 0.58 [0.023] | 3.7 [0.145]  |
| 5   | 1. 85-KFD5012302 | 0.58 [0.023] | 5.85 [0.230] |
| 6   | 1. 85-KFD5012303 | 0.58 [0.023] | 19.1 [0.752] |
| 7   | 1. 85-KFD50125   | 0.64 [0.025] | 6 [0.236]    |
| 8   | 1. 85-KFD50131   | 0.80 [0.031] | 7 [0.276]    |

| THIS DRAWING IS A CONTROLLED DOCUMENT |                                       | DWN              | Turpanic Co, Ltd ,Inc          |                    |
|---------------------------------------|---------------------------------------|------------------|--------------------------------|--------------------|
|                                       |                                       | CHK              |                                |                    |
| Unit<br>mm                            | TOLERANCES UNLESS OTHERWISE SPECIFIED | APVD             | Product Model                  |                    |
|                                       | 0 PLC ±0.25                           |                  | 1.85-KFD50125                  |                    |
|                                       | 1 PLC ±0.15                           | PRODUCT SPEC     | 1.85mm Female Flange Connector |                    |
|                                       | 2 PLC ±0.12                           |                  |                                |                    |
|                                       | 3 PLC ±-                              |                  |                                |                    |
|                                       | 3 PLC ±-                              | APPLICATO N SPEC |                                |                    |
|                                       | ANGLES ±1°                            |                  |                                |                    |
| MATEIAL                               | FINISH                                | WEIGHT           | SIZE<br>A4                     | GAGE CODE<br>0T8L4 |
|                                       |                                       |                  | DRAWING NO                     |                    |

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