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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        | Pin Size Ød  |
|-----|--------------|--------------|
| 1   | SMA-KYD80209 | 0.23 [0.009] |
| 2   | SMA-KYD80212 | 0.30 [0.012] |
| 3   | SMA-KYD80215 | 0.38 [0.015] |
| 4   | SMA-KYD80218 | 0.46 [0.018] |
| 5   | SMA-KYD80220 | 0.51 [0.020] |

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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-KYD80212<br>SMA Female Connector |           |   |
|                                       | 0 PLC ±0.25                           | PRODUCT SPEC |                                                           |           |   |
|                                       | 1 PLC ±0.15                           |              |                                                           |           |   |
|                                       | 2 PLC ±0.12                           |              |                                                           |           |   |
|                                       | 3 PLC ±-                              |              |                                                           |           |   |
| 3 PLC ±-                              | APPLICATO                             |              |                                                           |           |   |
| ANGLES ±1°                            | N SPEC                                | DRAWING NO   |                                                           |           |   |
|                                       |                                       |              |                                                           |           |   |
| MATERIAL                              | FINISH                                | WEIGHT       | SIZE                                                      | GAGE CODE | A |
| SEE TABLE                             | SEE TABLE                             |              | A4                                                        | OT8L4     |   |
| CUSTOMER DRAWING                      |                                       |              |                                                           |           |   |

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