Series K millimeter wave style RF connector is developed based on series SMA. It can crossing-over with series SMA, used in air interface. Series K connector has many advantages, such as small size, light weight, high frequency and reliable connection etc.

**Key performance**
- Characteristic impedance: 50 Ω
- Frequency range: 0-40GHz
- Contact resistance:
  - Center conductor ≤4.0m Ω
  - Outer conductor ≤2.0m Ω
- Insulation resistance: ≥3000M Ω
- Insulator voltage withstanding: 1000V
- VSWR: ≤1.05±0.015(GHz)
- Connector durability: 500 cycles

**Material**
- Center contacts:
  - Male—brass, gold plated
  - Female—beryllium copper, gold plated
- Bodies and other metal parts:
  - brass, gold plated
- Insulators: Teflon
- Crimp ferrule: copper, nickel plated.
- Gasket and seal rings: silicone rubber
- Heat-shrink tubing: thermofit plastic.

**Interface Dimensions**

**Reference Plane**

Dimensions are given in millimeters.
### K SERIES

#### Type, part number, suitable cable, D, Note

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Suitable Cable</th>
<th>D</th>
<th>Note</th>
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<tbody>
<tr>
<td>KJE2</td>
<td>2310-6601</td>
<td>B2</td>
<td>0.22</td>
<td>coupling nut, stainless steel</td>
</tr>
<tr>
<td>KJE3</td>
<td>2310-6602</td>
<td>B1</td>
<td>0.25</td>
<td>coupling nut, stainless steel</td>
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<td>KJE23</td>
<td>2314-6601</td>
<td>B2</td>
<td>0.24</td>
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<td>KFDG</td>
<td>2324-0001</td>
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<td>Stainless steel body</td>
</tr>
</tbody>
</table>

#### Dimensions

- **Type KJE2**
  - Dimensions: 22.3 mm

- **Type KJE3**
  - Dimensions: 18.5 mm

- **Type KKB2**
  - Dimensions: 17.3 mm

- **Type KJD**
  - Dimensions: 16.7 mm

- **Type KFDG**
  - Dimensions: 9.5 mm