**DC - 110GHz, Flange Launchers**

**DESCRIPTION**
"KPC100F311 and KPC100M311" flange launchers are designed for ultra-broadband devices and units with coaxial I/O interfaces.

**SPECIFICATIONS:**

- **Electrical:**
  - Frequency Range: DC - 110 GHz
  - Return Loss: Better than 15 dB (*)
  - Insertion Loss: <0.7dB (*)
  - Electrical Length: 11.1 mm [Nominal]
  - Temperature Range: -55 to +125 Deg.C

- **Mechanical:**
  - Body and Outer Conductors: Gold Plated Stainless steel
  - Inner Conductors: Gold Plated Beryllium Copper and Brass
  - Coupling Torque: 45 N-cm(Nominal)
  - Connect/Disconnect Life: >500 Cycles [Predicted]

**TYPE:**

<table>
<thead>
<tr>
<th>TYPE: KPC100F311</th>
<th>TYPE: KPC100M311</th>
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<tbody>
<tr>
<td>1mm Female</td>
<td>1mm Male</td>
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**Std Test Configuration**

- VNA with millimeter wave modules
- Flange launcher test housing
- Connector pin for test Length: 9.465mm O.D=0.483mm

**Typical Performance**

- Incl. Test Fixture Loss: (Number of samples : 2pairs)
- Calculated test fixture loss

<table>
<thead>
<tr>
<th>Frequency GHz</th>
<th>Return Loss (S11), dB</th>
<th>Insertion Loss (S21), dB</th>
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**Interface Mating Dimensions of KPC100**

<table>
<thead>
<tr>
<th>Female</th>
<th>Male</th>
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<tbody>
<tr>
<td>M4 x 0.7 -6g</td>
<td>M4 x 0.7 -6n</td>
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</tbody>
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Specifications Subject to Change Without Notice.

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