Data sheet

SUCOFLEX® 526S
Microwave Cable Assembly

Description

SUCOFLEX 526S microwave cable assemblies set a new measurement standard through 26.5 GHz.

- Excellent return- and insertion loss
- Phase and amplitude stability with flexure and movement
- Torque, crush and kink resistance
- Precise and repeatable measurements
- Long service life
- Reduce total cost of test with durable, reliable performance

Product Configuration

<table>
<thead>
<tr>
<th>Description</th>
<th>SF526S/11PC35/21PC35/36in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item number</td>
<td>85090629</td>
</tr>
<tr>
<td>Cable type</td>
<td>SUCOFLEX 526S</td>
</tr>
<tr>
<td>Length of assembly</td>
<td>914 mm (36 inch)</td>
</tr>
<tr>
<td>Connector A</td>
<td>11_PC3.5 (straight male)</td>
</tr>
<tr>
<td>Connector B</td>
<td>21_PC3.5 (straight female)</td>
</tr>
</tbody>
</table>

Technical Data

**Mechanical Data**

- Outer diameter: 7.7 mm
- Min. bending radius: 25.4 mm
- Weight: 149 g
- Crush resistance: 26 kgf /cm

**Environmental Data**

- Operating temperature: -55 ... + 125°C
- RoHS, REACH: Compliant

**Electrical Data**

- Impedance: 50 Ω
- Operating frequency: up to 26.5 GHz
- Velocity of propagation: 77 %
- Time delay: 4.3 ns / m
- Typical return loss: -25.0 dB
- Min. return loss: -19.0 dB
- Typical insertion loss: 1.51 dB
- Max. insertion loss: 1.64 dB
- Screening effectiveness: > 90 dB
- Typ. amplitude stability vs. shaking: ± 0.05 dB
- Typ. amplitude stability vs. bending: ± 0.05 dB
- Typ. phase stability vs. bending: ± 3.0°
**Data sheet**

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Microwave Cable Assembly

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**Connector 11_PC3.5 (straight male)**

**Connector 21_PC3.5 (straight female)**

<table>
<thead>
<tr>
<th>Dimensions</th>
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<tbody>
<tr>
<td><strong>A</strong></td>
<td><strong>B</strong></td>
</tr>
<tr>
<td>44 mm</td>
<td>N/A (only if shrinking sleeve is applied)</td>
</tr>
</tbody>
</table>

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**Insertion Loss SUCOFLEX 526S with two straight connectors**

- IL 914 mm nom
- IL 914 mm max

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**Waiver:** It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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Document: DOC-0000783242 / REV. B / Date of publication: 04.05.2017 / uncontrolled Copy

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