Stripline 2-Way-Splitter

![Stripline 2-Way-Splitter](image)

**Part number**  | **BN 433003**
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Splitting ratio | 1 : 0.5 : 0.5
Connectors | 4.3-10 socket (50 Ohms)
Frequency range | 694 – 3800 MHz
Insertion loss | 694 – 2700 MHz: 3.1 dB ± 0.2 dB (including splitting losses)
               | 2700 – 3800 MHz: 3.1 dB ± 0.3 dB (including splitting losses)
VSWR | 694 – 2700 MHz: ≤ 1.3 (Port 1)
      | 2700 – 3800 MHz: ≤ 1.4 (Port 1)
Phase difference | ≤ 20°
Power rating | 300 W CW
IM - value | ≤ -155 dBC | typical ≤ -160 dBC
3rd order @ 2 x 20 W | DC all ports (max. 1A per input max. 60V DC (AISG Standard, 2.0, § 6.4))
DC-by-pass | IP 65 outdoor
Degree of protection | ETSI EN 300019-1-1 Class 1.2
Environmental conditions | ETSI EN 300019-1-2 Class 2.3
                           | ETSI EN 300019-1-4 Class 4.1E
Weight (excluding mounting kit) | Approx. 0.4 kg
Color | Grey
Wall / Mast mounting | to be ordered separately under BN B26441
Temperature range | -25°C ~ +55°C
Dimensions (L×W×H) (excluding connectors, mounting kit) | Approx. 78.7mm×73.5mm×23.5 mm
Dimensions:

wall / mast-mounting kit (optional) BN B26441

Reference plane

connector 4.3-10 female

4x Ø5,5

connector 4.3-10 female

Reference plane

4x Ø3,8 -7 DEEP

Note:
Technical information see datasheet BN 433003-BE

Standard:
4.3-10 female (50 ohms): IEC 61169-54

modifications reserved
Measurements:

**VSWR:**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>VSWR</th>
</tr>
</thead>
<tbody>
<tr>
<td>694.0 MHz</td>
<td>1.24</td>
</tr>
<tr>
<td>2700.0 MHz</td>
<td>1.04</td>
</tr>
<tr>
<td>3800.0 MHz</td>
<td>1.10</td>
</tr>
</tbody>
</table>

**Insertion loss:**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Insertion loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>694.0 MHz</td>
<td>-3.12 dB</td>
</tr>
<tr>
<td>2700.0 MHz</td>
<td>-3.11 dB</td>
</tr>
<tr>
<td>3800.0 MHz</td>
<td>-3.26 dB</td>
</tr>
</tbody>
</table>