## Omni Slimpole Antenna
### Dual Polarization

**2-Port Omni Slimpole 1710–2690 360° 5dBi**

<table>
<thead>
<tr>
<th>Type No.</th>
<th>80020126</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency range MHz</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Polarization°</strong></td>
<td>+45, –45</td>
</tr>
<tr>
<td><strong>Gain dBi</strong></td>
<td>2 x 5</td>
</tr>
</tbody>
</table>

**Horizontal Pattern:**
- Half-power beam width: Omni

**Vertical Pattern:**
- Half-power beam width: 42°, 40°, 36°, 33°
- Electrical tilt °: 0, fixed
- Impedance Ω: 50
- VSWR: < 1.5
- Isolation, between ports dB: > 30
- Intermodulation IM3 dBC: < –153 (2 x 43 dBm carrier)
- Max. power per input W: 100 (at 50 °C ambient temperature)

### Mechanical specifications

<table>
<thead>
<tr>
<th>Input</th>
<th>2 x 4.3-10 female</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Connector position</strong></td>
<td>Bottom</td>
</tr>
<tr>
<td><strong>Weight kg</strong></td>
<td>2.3</td>
</tr>
<tr>
<td><strong>Wind load (at 150 km/h) N</strong></td>
<td>50</td>
</tr>
<tr>
<td><strong>Max. wind velocity km/h</strong></td>
<td>200</td>
</tr>
<tr>
<td><strong>Mechanical interface</strong></td>
<td>Flange connection 8 x M6</td>
</tr>
<tr>
<td><strong>Evenness of the opposite surface:</strong></td>
<td>0.5 mm</td>
</tr>
<tr>
<td><strong>Packing size mm inches</strong></td>
<td>742 x 220 x 219</td>
</tr>
<tr>
<td><strong>Height / diameter mm inches</strong></td>
<td>691 / 100</td>
</tr>
</tbody>
</table>

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**All specifications are subject to change without notice.**

The latest specifications are available at www.kathreinusa.com

Kathrein USA Greenway Plaza II, 2400 Lakeside Blvd., Suite 650, Richardson TX 75082
Phone: 214.238.8800    Fax: 214.238.8801    Email: info@kathrein.com
Accessories
General Information

Antenna area: Reflector screen: Aluminum. Radiator: Tin plated zinc. Cylindrical fiberglass radome: The max. radome diameter is only 100 mm | 3.9 inches. Fiberglass material guarantees optimum performance with regards to stability, stiffness, UV resistance and painting. The colour of the radome is similar to light grey RAL 7035.
All screws and nuts: Stainless steel.

Environmental conditions: Kathrein cellular antennas are designed to operate under the environmental conditions as described in ETS 300 019-1-4 class 4.1 E. The antennas exceed this standard with regard to the following items:
– Low temperature: –55 °C
– High temperature (dry): +55 °C
Ice protection: Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions.

Environmental tests: Kathrein antennas have passed environmental tests as recommended in ETS 300 019-2-4. The homogenous design of Kathrein’s antenna families use identical modules and materials. Extensive tests have been performed on typical samples and modules.

Order Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 20126</td>
<td>Omni antenna, 4.3-10 connectors</td>
</tr>
<tr>
<td>800 20126K</td>
<td>Omni antenna, 4.3-10 connectors, includes 840 02000 Universal mount &amp; cable concealment shroud</td>
</tr>
<tr>
<td>840 02000</td>
<td>Universal mount &amp; cable concealment shroud</td>
</tr>
<tr>
<td>840 02001</td>
<td>Pole mount adapter sleeve for 2&quot; mast</td>
</tr>
</tbody>
</table>

See supplemental mount information

Please note: As a result of more stringent legal regulations and judgements regarding product liability, we are obliged to point out certain risks that may arise when products are used under extraordinary operating conditions.

The mechanical design is based on the environmental conditions as stipulated in ETS 300 019-1-4, which includes the static mechanical load imposed on an antenna by wind at maximum velocity. Extraordinary operating conditions, such as heavy icing or exceptional dynamic stress (e.g. strain caused by oscillating support structures) or vortex-induced across-wind vibration may result in the breakage of an antenna or even cause it to fall to the ground. These facts must be considered according DIN 4131 annex A2 or EN 1991-1-4 part 1.4 during the site planning process.

The installation team must be properly qualified and also be familiar with the relevant national safety regulations.
The details given in our data sheets have to be followed carefully when installing the antennas and accessories.
The limits for the coupling torque of RF-connectors, recommended by the connector manufacturers must be obeyed.
Any previous datasheet issues have now become invalid.
Universal Mount Kit for Kathrein Slim Pole Antennas
800 10125 Tri-Sector, 800 10126 Omni

- Single Ø18mm bolt provides flexible attachment solution
- Designed for use with 1/2” flex coax
- 124 mph / 200 km/h wind survival
- All hardware required for installation is included

The low profile mounting bracket is made of stainless steel which attaches easily to both the antenna and the mounting structure.

The included cable concealment shroud is made of sturdy ABS, and has a protective UV coating. It can also be customized to fit various mast sizes and installations.

Ordering Information
840 02000 - Universal Mount Kit
Includes mount, cable concealment shroud, antenna attachment hardware, 18 mm hex bolt

Antennas listed below with a “K” suffix include the 840 02000 Universal Mount Kit
800 10125K
800 20125K
800 10126K
800 20126K

840 02001 - Adapter Sleeve for above
- fits 2” pipe (optional)