**FEATURES:**
- Splits or combines all the **Cellular Bands** (698MHz-2200MHz) and **WLAN/Wi-Fi/WiMAX/ISM Bands** (2400MHz-2700MHz)
- Best in Class Isolation between the 2 signals
- Very low Insertion Loss with superior out of band rejections
- Available in DIN, Mini-DIN, 4.3-10 or Type-N Connectors
- Low PIM and High Power Handling
- RoHS Complaint
- DC By-pass available on outdoor units
- Ease of Mounting with mounting holes
- Weatherproof / Outdoor options available
- In Stock and Available Immediately

**ELECTRICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Frequency Bands</th>
<th>Cellular Bands 698 MHz -2200 MHz</th>
<th>WLAN/Wi-Fi/ISM Bands 2400 MHz - 2700 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passband Insertion Loss</td>
<td>0.20 dB</td>
<td></td>
</tr>
<tr>
<td>Isolation</td>
<td>≥70 dB @ 2400MHz-2700MHz</td>
<td>≥70 dB @ 698MHz-2200MHz</td>
</tr>
<tr>
<td>Return Loss</td>
<td>21 dB</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ohms</td>
<td></td>
</tr>
<tr>
<td>DC Pass Current</td>
<td>4000mA (Typ) (<strong>Outdoor units only</strong>)</td>
<td></td>
</tr>
<tr>
<td>Lightning Protection</td>
<td>8/20S 10kA Pulse (IEC 801-5) (<strong>Outdoor units only</strong>)</td>
<td></td>
</tr>
<tr>
<td>Input Power</td>
<td>400 Watts (Avg); 2500 Watts (Peak)</td>
<td></td>
</tr>
<tr>
<td>Intermodulation (PIM - 3rd)</td>
<td>-161 dBc (2 Tones +43 dBm)</td>
<td></td>
</tr>
</tbody>
</table>

**MECHANICAL SPECIFICATIONS:**
- Connectors: 7/16 DIN (D) / Mini-DIN (MD) / 4.3-10 (D43) / Type-N (N)
- Housing Finish: Aluminum Body
- Mounting Method: Mounting Panel
- Temperature Range: -35°C to 75°C
- Relative Humidity: 5% - 95% (**Outdoor units only**)
- Environment: IP67 (**Outdoor units only**)

***ORDERING INFO:***
- **Indoor Model:** Part#: 901X-1500-2450-
- **Outdoor Model:** Part#: 901-1500-2450-

* - Connector Option

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**INNOWAVE RF**

**Cellular Bands and Wi-Fi/WLAN Bands Diplexer / Combiner**

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**2201 Denton Drive, Suite 110, Austin, TX – 78758**
- **Ph:** 737-200-7090
- **Fax:** 737-200-7099
- [www.InnowaveRF.com](http://www.InnowaveRF.com)
Dimensions for 901-1500-2450-D

Dimensions for 901X-1500-2450-N

Please contact our sales department at 737-200-7090 or sales@InnowaveRF.com for any custom requirements.

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