UWB PUBLIC SAFETY SPLITTER

27-13-0X-NF

The Wide-band design series 27-13-0X-NF covers the range of 130-1000 MHz

- Available in 2 way, 3-way or 4-way configuration.
- 300 Watt power Handling
- Airline design to achieve minimum insertion loss
- Low PIM Available
- Suitable for outdoor and indoor applications
- RoHS 2.0 compliant

<table>
<thead>
<tr>
<th>Model</th>
<th>No of Splits</th>
<th>Insertion Loss (dB)</th>
<th>Input Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>27-13-02-NF</td>
<td>2</td>
<td>3.1 ± 0.15</td>
<td>&gt;18 (16@130-140MHz)</td>
</tr>
<tr>
<td>27-13-03-NF</td>
<td>3</td>
<td>4.8 ±0.3</td>
<td>&gt;18</td>
</tr>
<tr>
<td>27-13-04-NF</td>
<td>4</td>
<td>6.15±0.3</td>
<td>&gt;18</td>
</tr>
</tbody>
</table>

Electrical Specifications

- Frequency Range, MHz: 130-1000 MHz
- Impedance: 50 Ω
- Power Rating: 300 avg., 1 Kw PK.
- Power Rating, Watts: 300
- Connector: N(f)

Environmental Specifications

- Temperature Range, °C: -35 to +75
- Power handling @room temperature, sea level: 300 W max. Avg; 1000 W max. peak
- Lightning Test: ± 5 kA 8/20 us
- 30 day salt fog testing: GR-487- CORE
- Dust & Immersion Testing: IP67
- Relative Humidity: 5% - 95%
- MTBF: >1,000,000 hours
- EMC: ETS 300 342-3
- RoHS: RoHS 2.0 compliant

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### UWB PUBLIC SAFETY SPLITTER 130-1000 MHz

#### Mechanical Specifications

<table>
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<tr>
<th></th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (H x W x D), in. (mm)</td>
<td>See outline drawings</td>
</tr>
<tr>
<td>Surface Treatment</td>
<td>Passivated Aluminum</td>
</tr>
<tr>
<td>Protection ground</td>
<td>M6 Screw</td>
</tr>
<tr>
<td>Connectors</td>
<td>N Female</td>
</tr>
</tbody>
</table>

![Mechanical Specifications Diagram](image)