3B-X.XX-X.XXV-XX-X ANTENNA FAMILY
3 Inch Blade Antenna for Video / Data Link

The 3B-X.XX-X.XXV-XX.X is a highly customizable 3-inch tall blade antenna for video and data link applications. The rugged blade antenna enclosure is optimized for ground and flight environments.

The antenna includes a single connector for signal input and output. The antenna can cover various frequency bands in the UHF, L-Band and S-Band ranges. See the options table for details or contact us for more information about customization options.

**BENEFITS**
- Customizable to your frequency band requirements
- Common mounting footprint for multiple frequency options

**FEATURES**
- UHF/L/S-Band coverage options
- Vertically polarized
- Omnidirectional-in-azimuth coverage
- High power handling

**OPTIONS**

<table>
<thead>
<tr>
<th>COLOR</th>
<th>Gloss White</th>
<th>Lusterless Gray</th>
<th>Camo Green</th>
<th>Lusterless Black</th>
<th>Desert Tan</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTOR</td>
<td>S: SMA</td>
<td>N: Type N</td>
<td>T: TNC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

“These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred or otherwise disposed of to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.”
**ELECTRICAL**

<table>
<thead>
<tr>
<th>Frequency Range:</th>
<th>Tailorable between 690 MHz and 2700 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UHF/L/S- Band</strong></td>
<td>&lt; 3.0:1 Typical</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>50 ohms</td>
</tr>
</tbody>
</table>

**MECHANICAL & ENVIRONMENTAL**

Designed to:

<table>
<thead>
<tr>
<th>Weight</th>
<th>6.5 oz (TNC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.1 oz (Type N)</td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>-55°C TO +85°C</td>
</tr>
<tr>
<td>Altitude</td>
<td>70,000 ft</td>
</tr>
<tr>
<td>Vibration</td>
<td>&gt; 10 Grms</td>
</tr>
</tbody>
</table>

**LIMITING & FILTERING**

| Power Handling             | 250 Watt CW for TNC option                      |

---

**PART NUMBER DECODER**

3B-X.XX-X.XXV-XX-X

- **Start Frequency**
  - X.XX = Frequency in GHz
- **Stop Frequency**
  - X.XX = Frequency in GHz

**Connector**

- S = SMA
- N = Type N
- T = TNC

**Color (PER FED-STD-595B)**

- 1 = Gloss White #17925
- 2 = Lusterless Gray #36320
- 3 = Camo Green #34094
- 4 = Lusterless Black #37038
- 5 = Desert Tan #33446

---

**PRODUCT SHEET**

- 5.25
- 2.05
- 4x #20 THRU
- .391 X 100'
- 3.01
- 3.60
- .98
- O-RING
- P/N: MS28775-024