5B-L-S-C-BANDVVV-XXXX-X ANTENNA FAMILY

5 Inch Blade Antenna for Video / Data Link

The 5B-L-S-C-BandVVV-XXXX-X is triple-band blade antenna for video and data link applications. The rugged enclosure is designed to survive ground and flight environments.

The antenna includes separate connectors for the L, S and C-Band frequency ranges. Each port is optimized for minimal return loss ensuring efficient transmission and reception of RF signals.

**BENEFITS**

- Minimize weight and aerodynamic drag with this combo antenna
- Good impedance match for efficient antenna performance

**FEATURES**

- L, S and C-Band coverage in a single antenna enclosure
- Connector type customizable for each frequency band
- Vertically polarized, omni directional coverage
- High power handling

**OPTIONS**

**COLOR**

- Gloss White
- Lusterless Gray
- Camo Green
- Lusterless Black
- Desert Tan

**CONNECTOR**

- TNC
- SMA
- Type N

"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>L-Band</th>
<th>S-Band</th>
<th>C-Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>1700-2000 MHz</td>
<td>2200-2500 MHz</td>
<td>4400-6000 MHz</td>
</tr>
</tbody>
</table>

VSWR

<table>
<thead>
<tr>
<th>Band</th>
<th>L-Band</th>
<th>S-Band</th>
<th>C-Band</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt; 2.0:1</td>
<td>&lt; 2.0:1</td>
<td>&lt; 2.5:1</td>
</tr>
</tbody>
</table>

Impedance 50 ohms

MECHANICAL & ENVIRONMENTAL

Designed to:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>5.4 oz Typical</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; 30 Grms</td>
</tr>
</tbody>
</table>

LIMITING & FILTERING

Power Handling 50 Watt CW

PART NUMBER DECODER

5B-L-S-C-BandVVV-XXXX-X

Connector

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

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

Note: Letters should be in L-S-C order

Cable Length

X = No Cable