



FAA Approved Facility


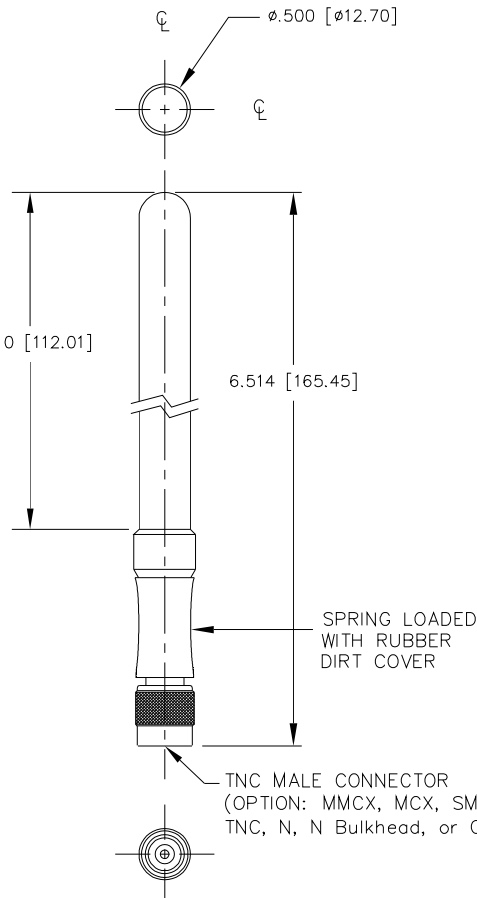
LHCP or RHCP S-Band Rod Antenna
 (2.00-2.30) GHz: P/N: 5W-2.00-2.30PL-XTB-4-SL (LHCP); P/N: 5W-2.00-2.30PR-XTB-4-SL (RHCP)
 (2.20-2.40) GHz: P/N: 5W-2.20-2.40PL-XTB-4-SL (LHCP); P/N: 5W-2.20-2.40PR-XTB-4-SL (RHCP)
 (2.40-2.50) GHz: P/N: 5W-2.40-2.50PL-XTB-4-SL (LHCP); P/N: 5W-2.40-2.50PR-XTB-4-SL (RHCP)

Other Frequencies & Gooseneck Mounting Options are Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

<p>6</p> <p>5</p> <p>4</p> <p>3</p> <p>1</p>	<p>NOTICE OF PROPRIETARY RIGHTS</p> <p>THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY (AND DOES NOT INCLUDE MANUFACTURE OR PROCESSING USES). ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM, CORP.</p>  	<p>SPECIFICATIONS</p> <p>ELECTRICAL:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>FREQUENCY:</td><td>(2338.75 +/- 10) MHz</td></tr> <tr><td>RADIATION PATTERN:</td><td>HEMISPHERICAL</td></tr> <tr><td>POLARIZATION:</td><td>LHCP</td></tr> <tr><td>VSWR:</td><td>< 1.5:1</td></tr> <tr><td>IMPEDANCE:</td><td>50 ohms</td></tr> <tr><td>GAIN (ABOVE HORIZONTAL, dBiC):</td><td></td></tr> <tr><td> @ 15° Elevation:</td><td>+0.2</td></tr> <tr><td> @ 20° Elevation:</td><td>+0.5</td></tr> <tr><td> @ 30° Elevation:</td><td>+1.2</td></tr> <tr><td> @ 45° Elevation:</td><td>+0.3</td></tr> <tr><td>AXIAL RATIO @ Zenith:</td><td>1.0 dB</td></tr> <tr><td>POWER HANDLING:</td><td>1 Watt</td></tr> <tr><td>DC GROUNDING:</td><td>YES (LIGHTNING PROTECTION)</td></tr> </table> <p>OPTION (ACTIVE):</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>LNA GAIN:</td><td>33 +/-2 dB</td></tr> <tr><td>LNA NOISE FIGURE:</td><td>2.2 dB</td></tr> <tr><td>LNA DC POWER:</td><td>(+2.5 to +30) Volts DC, < 38 mA FROM Rx RF CON.</td></tr> </table> <p>MECHANICAL:</p> <p>SIZE: DIAMETER: 0.500 in [12.70 mm] HEIGHT: 6.51in [165.4 mm]</p> <p>WEIGHT: 0.9 oz. (25g)</p> <p>FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BLACK ANODIZE PER MIL-A-8625F</p> <p>COLOR: LUSTERLESS GRAY #36320 PER FED-STD-595B GLOSS WHITE #17925 PER FED-STD-595B OLIVE DRAB GREEN #34031 PER FED-STD-595B LUSTERLESS BLACK #37038 PER FED-STD-595B</p> <p>MATERIAL: 6061-T6 ALUMINUM ALLOY BASE THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE</p> <p>CONNECTOR: TNC MALE (OPTION: MMCX, MCX, SMA, TNC, N, N Bulkhead, or Cable)</p> <p>ENVIRONMENTAL:</p> <p>TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]</p> <p>ALTITUDE: 70,000 ft.</p> <p>VIBRATION: >10 G's</p> <p>LEAKAGE: HERMETICALLY SEALED</p> <p>FEDERAL & MILITARY SPECIFICATIONS:</p> <p>DESIGN TO: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810E Click Here to View Radiation Patterns: http://www.antcom.com/documents/catalogs/S-Band-HelixI.pdf</p>	FREQUENCY:	(2338.75 +/- 10) MHz	RADIATION PATTERN:	HEMISPHERICAL	POLARIZATION:	LHCP	VSWR:	< 1.5:1	IMPEDANCE:	50 ohms	GAIN (ABOVE HORIZONTAL, dBiC):		@ 15° Elevation:	+0.2	@ 20° Elevation:	+0.5	@ 30° Elevation:	+1.2	@ 45° Elevation:	+0.3	AXIAL RATIO @ Zenith:	1.0 dB	POWER HANDLING:	1 Watt	DC GROUNDING:	YES (LIGHTNING PROTECTION)	LNA GAIN:	33 +/-2 dB	LNA NOISE FIGURE:	2.2 dB	LNA DC POWER:	(+2.5 to +30) Volts DC, < 38 mA FROM Rx RF CON.	<p>REVISIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>ZONE</th> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	ZONE	REV	DESCRIPTION	DATE	APPROVED					
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P/N: 5W-X.XX-Y.YYPL-XTM-4-SL