



FAA Approved Facility

GPS/RHCP-Inmarsat/Iridium Antenna, P/N: S5BIR16RR-P-XX-X or LHCP-Thuraya Antenna, P/N: S5BIR16LL-P-XX-X 4.6" Tall Blade, Top Mount, Bottom Connector Configurations

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>

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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>4X $\phi .20$ [$\phi 5.11$] $\checkmark \phi .385$ [$\phi 9.78$] X 100"</p> <p>1.750 [44.45]</p> <p>5.250 [133.35]</p> <p>1.24 [31.60]</p> <p>4.625 [117.48]</p> <p>0.57" [14.53] (TNC), 0.72" [18.29] (N, N-Bulkhead) 0.46" [11.68] (SMA), 0.83" [21.00] (TNC-Bulkhead)</p> <p>DATE STAMP</p> <p>.98 [24.89]</p> <p>0-RING GROOVE MS28775-024</p> <p>1.80 [45.72]</p> <p>2x3.60 [91.44]</p> </div> <div style="width: 50%;"> <h3 style="text-align: center;">SPECIFICATIONS</h3> <p>ELECTRICAL:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>FREQUENCY (MHz):</th> <th>(1575.42 ±15)</th> <th>(1542.50 ±17.5)</th> <th>(1642.50 ±17.5)</th> <th>(1602-1616)</th> <th>(1610-1626)</th> <th>(1227.60 ±15)</th> </tr> <tr> <th>GAIN (dBic) in FS/4ft GP</th> <th>L1 GPS</th> <th>Rx INMARSAT</th> <th>Tx INMARSAT</th> <th>GLONASS</th> <th>IRIDIUM</th> <th>L2 GPS</th> </tr> </thead> <tbody> <tr> <td>@ 90° (Zenith):</td> <td>+1.1/+3.7</td> <td>+0.7/+1.5</td> <td>-0.3/0.0</td> <td>+0.5/+2.9</td> <td>+0.1/+1.1</td> <td>-5.0</td> </tr> <tr> <td>@ 10° Elevation:</td> <td>-0.9/+0.0</td> <td>-1.6/-1.3</td> <td>-1.9/-1.0</td> <td>-1.3/+0.2</td> <td>-1.6/-0.8</td> <td>-6.5 to -11.5</td> </tr> <tr> <td>@ 20° Elevation:</td> <td>-0.2/+2.0</td> <td>-0.8/+1.0</td> <td>-1.1/+1.2</td> <td>-0.5/+2.4</td> <td>-0.8/+1.2</td> <td>-6.2 to -9.2</td> </tr> <tr> <td>@ 30° Elevation:</td> <td>+0.3/+2.0</td> <td>-0.2/+1.0</td> <td>-0.8/+0.4</td> <td>+0.1/+2.1</td> <td>-0.7/+1.1</td> <td>-5.7 to -7.7</td> </tr> <tr> <td>@ 45° Elevation:</td> <td>+0.6/+1.5</td> <td>+0.3/+0.6</td> <td>-0.7/-0.8</td> <td>-0.1/+1.0</td> <td>-0.3/-0.3</td> <td>-4.6 to -6.0</td> </tr> <tr> <td>@ 70° Elevation:</td> <td>+0.3/+1.3</td> <td>+0.3/+0.4</td> <td>-1.6/0.0</td> <td>-0.3/+1.1</td> <td>-0.7/0.0</td> <td>-4.0</td> </tr> <tr> <td>BEAM WIDTH (3dB)</td> <td>173/155 Deg.</td> <td>173/155 Deg.</td> <td>180/162 Deg.</td> <td>180/162 Deg.</td> <td>180/162 Deg.</td> <td>(107 to 170) Deg.</td> </tr> <tr> <td>AXIAL RATIO (dB)</td> <td>1 to 3</td> <td>1 to 3</td> <td>1 to 3</td> <td>1 to 3</td> <td>1 to 3</td> <td>1 to 5</td> </tr> <tr> <td>RADIATION PATTERN:</td> <td colspan="6" style="text-align: center;">HEMISPHERICAL</td> </tr> <tr> <td>POLARIZATION:</td> <td colspan="6" style="text-align: center;">RHCP</td> </tr> <tr> <td>VSWR:</td> <td colspan="6" style="text-align: center;">< 1.5:1</td> </tr> <tr> <td>DC GROUNDING:</td> <td colspan="6" style="text-align: center;">YES (LIGHTNING PROTECTION)</td> </tr> </tbody> </table> <p>MECHANICAL:</p> <p>SIZE: LENGTH = 5.25 in. [133.35 mm], WIDTH = 1.75 in. [44.45 mm] HEIGHT = 4.630 in. [117.48 mm]</p> <p>WEIGHT: 5.15 oz. (146 g)</p> <p>FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441</p> <p>MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT</p> <p>CONNECTOR: FEMALE TNC CONNECTOR (SMA, TNC, N, BULKHEAD, & OTHER CONNECTOR, CABLE)</p> <p>ENVIRONMENTAL:</p> <p>TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] ALTITUDE: 70,000 ft. VIBRATION: > 30 G's LEAKAGE: HERMETICALLY SEAL</p> <p>FEDERAL & MILITARY SPECIFICATIONS:</p> <p>DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455</p> </div> </div>							FREQUENCY (MHz):	(1575.42 ±15)	(1542.50 ±17.5)	(1642.50 ±17.5)	(1602-1616)	(1610-1626)	(1227.60 ±15)	GAIN (dBic) in FS/4ft GP	L1 GPS	Rx INMARSAT	Tx INMARSAT	GLONASS	IRIDIUM	L2 GPS	@ 90° (Zenith):	+1.1/+3.7	+0.7/+1.5	-0.3/0.0	+0.5/+2.9	+0.1/+1.1	-5.0	@ 10° Elevation:	-0.9/+0.0	-1.6/-1.3	-1.9/-1.0	-1.3/+0.2	-1.6/-0.8	-6.5 to -11.5	@ 20° Elevation:	-0.2/+2.0	-0.8/+1.0	-1.1/+1.2	-0.5/+2.4	-0.8/+1.2	-6.2 to -9.2	@ 30° Elevation:	+0.3/+2.0	-0.2/+1.0	-0.8/+0.4	+0.1/+2.1	-0.7/+1.1	-5.7 to -7.7	@ 45° Elevation:	+0.6/+1.5	+0.3/+0.6	-0.7/-0.8	-0.1/+1.0	-0.3/-0.3	-4.6 to -6.0	@ 70° Elevation:	+0.3/+1.3	+0.3/+0.4	-1.6/0.0	-0.3/+1.1	-0.7/0.0	-4.0	BEAM WIDTH (3dB)	173/155 Deg.	173/155 Deg.	180/162 Deg.	180/162 Deg.	180/162 Deg.	(107 to 170) Deg.	AXIAL RATIO (dB)	1 to 3	1 to 3	1 to 3	1 to 3	1 to 3	1 to 5	RADIATION PATTERN:	HEMISPHERICAL						POLARIZATION:	RHCP						VSWR:	< 1.5:1						DC GROUNDING:	YES (LIGHTNING PROTECTION)						<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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NMO Connector is Now Available for Some Antennas