



(4.40-5.85) GHz Rod Antenna

P/N: 5W-4.40-5.85P-XSM-4-DP-ROHS

Other Frequencies, Spring loaded, & Gooseneck Mounting Options are Available



ISO 9001:2008/FAA Approved Facility

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

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

6		5	4	3	2	1																									
<p>NOTICE OF PROPRIETARY RIGHTS 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 MANUFACTURING OR PROCESSING USES). ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.</p>				<p>SPECIFICATIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">REVISIONS</th> </tr> <tr> <th style="text-align: center;">ZONE</th> <th style="text-align: center;">REV</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>		REVISIONS		ZONE	REV					<p>ELECTRICAL:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">FREQUENCY (GHz):</td> <td style="text-align: center;">C-BAND (4.40-5.85)</td> </tr> <tr> <td>PATTERN:</td> <td style="text-align: center;">OMNIDIRECTIONAL</td> </tr> <tr> <td>POLARIZATION:</td> <td style="text-align: center;">VERTICAL</td> </tr> <tr> <td>ANTENNA GAIN :</td> <td style="text-align: center;">> 2 dB</td> </tr> <tr> <td>VSWR:</td> <td style="text-align: center;">2.0:1</td> </tr> <tr> <td>OUTPUT IMPEDANCE:</td> <td style="text-align: center;">50 Ω</td> </tr> <tr> <td>POWER HANDLING:</td> <td style="text-align: center;">50 watts (Without LNA)</td> </tr> <tr> <td>LNA OPTION:</td> <td style="text-align: center;">GAIN: 20 dB DC: (5 to 24) Volt @ <70mA</td> </tr> </table>		FREQUENCY (GHz):	C-BAND (4.40-5.85)	PATTERN:	OMNIDIRECTIONAL	POLARIZATION:	VERTICAL	ANTENNA GAIN :	> 2 dB	VSWR:	2.0:1	OUTPUT IMPEDANCE:	50 Ω	POWER HANDLING:	50 watts (Without LNA)	LNA OPTION:	GAIN: 20 dB DC: (5 to 24) Volt @ <70mA
REVISIONS																															
ZONE	REV																														
FREQUENCY (GHz):	C-BAND (4.40-5.85)																														
PATTERN:	OMNIDIRECTIONAL																														
POLARIZATION:	VERTICAL																														
ANTENNA GAIN :	> 2 dB																														
VSWR:	2.0:1																														
OUTPUT IMPEDANCE:	50 Ω																														
POWER HANDLING:	50 watts (Without LNA)																														
LNA OPTION:	GAIN: 20 dB DC: (5 to 24) Volt @ <70mA																														
		<p>MECHANICAL:</p> <p>SIZE: DIAMETER: TOP= 0.500 in [12.70 mm] HEIGHT: <1.300 in [33.00 mm]</p> <p>WEIGHT: 1.0 oz. (28 g)</p> <p>FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL, BASE IRIDITE PER MIL-C-5541F Type II Class 3</p> <p>MATERIAL: 6061-T6 ALUMINUM ALLOY BASE THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE</p> <p>CONNECTOR: SMA MALE (OPTION: TNC, N, BNC)</p>		<p>ENVIRONMENTAL:</p> <p>TEMPERATURE: -76°F TO +194°F [-60°C TO +90°C]</p> <p>ALTITUDE: 70,000 ft.</p> <p>VIBRATION: >10 G's</p> <p>LEAKAGE: HERMETICALLY SEALED</p>																											
		<p>SMA MALE CONNECTOR (OPTION: TNC, N, or BNC)</p>		<p>FEDERAL & MILITARY SPECIFICATIONS:</p> <p>DESIGN TO: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810E</p>																											
<p>CONFIGURATION: S2: WITH 1.75IN DIA. FLANGE S: WITHOUT FLANGE</p>		<p>FREQUENCY: 0.31-0.40: (310-400) MHz 0.35-0.40: (350-400) MHz 0.40-0.45: (400-500) MHz 0.81-0.95: (810-960) MHz 0.85-1.90: (850-1900) MHz 1.33-1.54: (1332-1540) MHz 1.61-1.85: (1610-1850) MHz 1.61-2.50: (1610-2500) MHz 2.40-2.50: (2400-2500) MHz 4.40-5.85: (4400-5850) MHz 1.70-5.85: (1700-5850) MHz 2.40-5.85: (2400-5850) MHz L-S-C-K-I: (L/S/C/Ku-Band) X,XX-Y,YY: (X,XX-Y,YY) GHz</p>		<p>LNA: A: WITH +20 dB LNA P: WITHOUT LNA</p>		<p>CONNECTOR: S: SMA FEMALE SM: SMA MALE T: TNC FEMALE TM: TNC MALE N: N FEMALE; B: BNC FEMALE NM: N MALE; BN: BNC MALE</p>		<p>COLOR: -1: GLOSS WHITE #17925 PER FED-STD-595B -2: LUSTERLESS GRAY #36320 PER FED-STD-595B -3: CAMO GREEN #34094 PER FED-STD-595B -4: NATURAL BLACK (Ultem 2200 Black) -5: DESERT TAN #33446 PER FED-STD-595B</p>																							
<p>P/N: 5W-4.40-5.85P-XSM-4-DP-ROHS</p>		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">1</th> <th style="width:45%;">DESCRIPTION</th> <th style="width:15%;">PART NO</th> <th style="width:15%;">SPECIFICATION</th> <th style="width:15%;">MATERIAL</th> <th style="width:10%;">FINISH</th> <th style="width:5%;">ITEM NO</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>		1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO	1	-	-	-	-	-	1	<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .xxx ± 1°</p> <p>TOLERANCE SYM PER ANSI Y14.5 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILLETS R .002 TO R .030 SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON & 2nd .005 MACHINED SURFACES 125</p> <p>DO NOT SCALE DRAWING</p>		<p>ANTCOM CORP. TORRANCE CALIFORNIA</p> <p>(4.40-5.85) GHz C-BAND ROD ANTENNA</p> <p>SCALE 1/1</p>											
1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO																									
1	-	-	-	-	-	1																									
6		5	4	3	2	1																									