



ISO 9001:2008/FAA Approved Facility

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

### Ku-Band Antenna

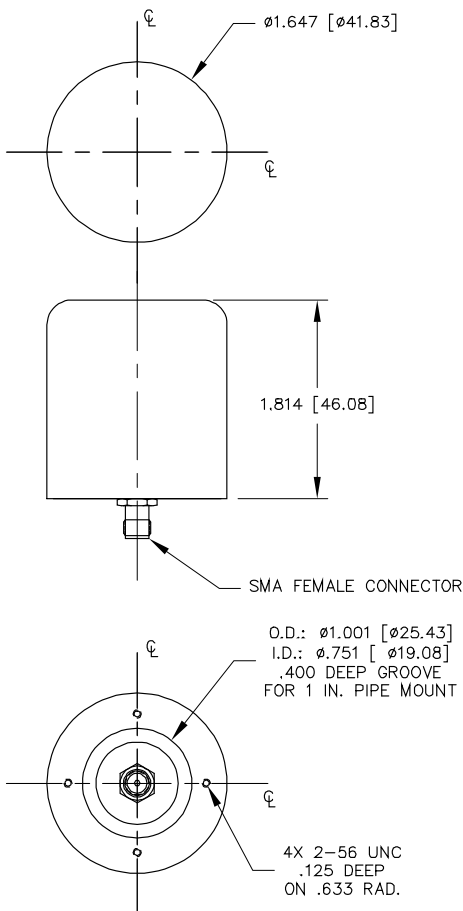
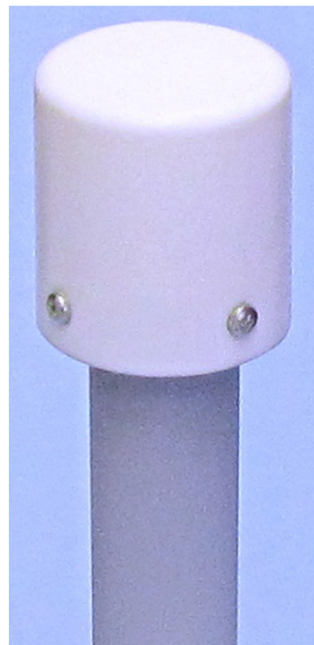
P/N: 2R-10.7-11.7R-P-XS-U (10.7-11.7 GHz), RHCP  
 P/N: 2R-10.7-11.7V-P-XS-U (10.7-11.7 GHz), Vertical  
 P/N: 2R-10.7-11.7H-P-XS-U (10.7-11.7 GHz), Horizontal  
 Other Frequencies and Mounting Foot Prints Are Available



FAA Approved  
TSO Antennas

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### SPECIFICATIONS

#### ELECTRICAL:

FREQUENCY:	Ku-Band (10.7-11.7) GHz
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	RHCP, HORIZONTAL or VERTICAL
ANTENNA GAIN:	3 dB
3dB BEAMWIDTH, Elevation:	$\pm 18^\circ$
3dB BEAMWIDTH, Azimuth:	$360^\circ$
VSWR:	2.0:1
OUTPUT IMPEDANCE:	50 $\Omega$
POWER HANDLING:	150 watts

#### MECHANICAL:

SIZE:	DIAMETER: 1.647 in. [41.83 mm] HEIGHT: 1.814 in. [46.1 mm]
WEIGHT:	3.26 oz. (92 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441F
COLOR:	NATURAL TEFLON WHITE
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE TEFLON RADOME, UV, ABRASION AND SKYDROL RESISTANCE
CONNECTOR:	SMA FEMALE CONNECTOR

#### ENVIRONMENTAL:

TEMPERATURE:	-85°F TO +185°F [-65°C TO +85°C]
ALTITUDE:	70,000 ft.
VIBRATION:	10 G's
LEAKAGE:	HERMETICALLY SEAL

#### FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

FREQUENCY:	POLARIZATION:	LNA:
Ku: (14-16) GHz	GSM: (810-996) MHz	R: RHCP
X: (8-12) GHz	QB: (0.810-2.5) GHz	L: LHCP
C: (4.4-6.9) GHz	WB: (0.810-5.9) GHz	V: VERTICAL
24: (2.4-2.5) GHz	UB: (0.40-0.810) GHz	H: HORIZONTAL
L: (1.6-2.0) GHz		
X,XX-Y,YY: (X,XX-Y,YY) GHz		

P/N: 2R-10.7-11.7V-P-XS-U

CABLE'S LENGTH:	UHF/Other-Band CON.	COLOR:
X: NO CABLE	S: SMA; Q:QMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
F: CABLE LENGTH (IN)	N: NN-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T, TB: TNC, TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

1	-	-	-	-	2
QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	REV NO
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .005 .005 ± 1°					
TOLERANCE S/M PER ANG Y14.5 REMOVE ALL BURRS PREP. ALL SURFACES TO 015 FINEST 8.000 TO R (30) SURF. SURFACE PER MIL-STD-883C ON A RANDOM 2.5.005 MACHINED SURFACES					
DO NOT SCALE DRAWING					
ANTCOM CORP. TORRANCE, CALIFORNIA		Ku-BAND ANTENNA			
S. HUYNH April-28-10		S. HUYNH April-28-10			
S. HUYNH July-29-14		P. TRAN July-29-14			
S. HUYNH July-29-14		S. HUYNH July-29-14			
D 3CVE1		2R-10.7-11.7V-P-XS-U		REV	
SCALE 1/1		SHEET 1 OF 1			

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

NMO Connector Option is Now Available for Some Antennas