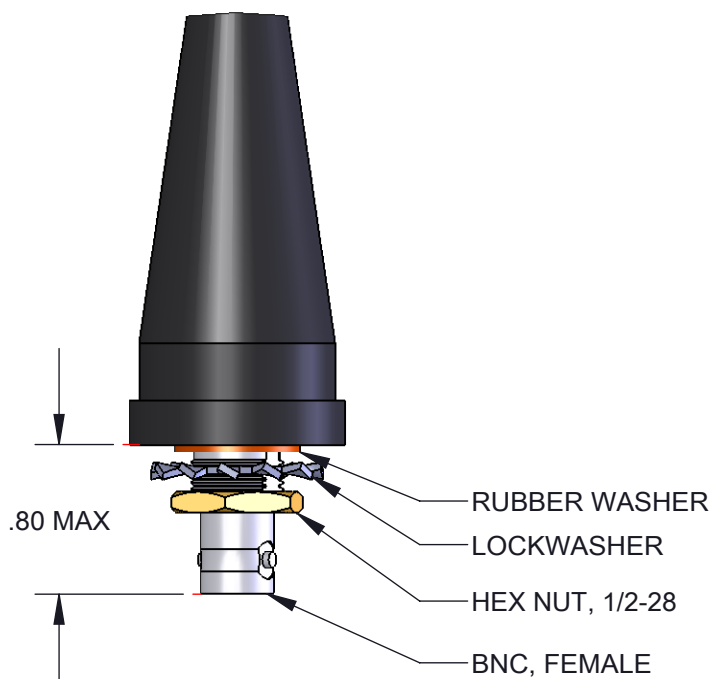


THIS DOCUMENT AND THE DATA DISCLOSED HEREIN OR HEREWITH IS PROPERTY OF AND BELONGS TO ACR ELECTRONICS, INC. FT LAUDERDALE, FL. IT IS FURNISHED IN CONFIDENCE SOLELY FOR INFORMATIONAL PURPOSES. IT IS NOT TO BE REPRODUCED, USED OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE PERMISSION OF ACR.

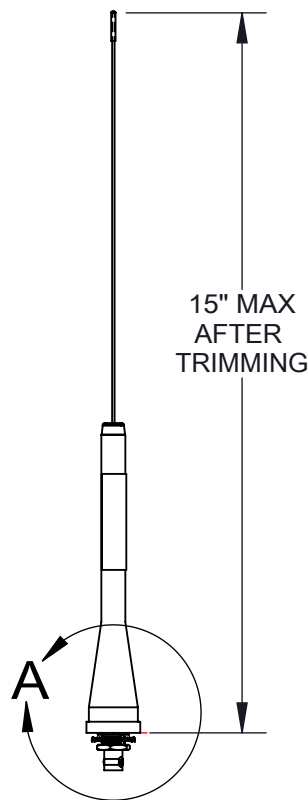
REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	D.A.
B	REVISED PER DCA W 3182	3-3-08	L.F.	
B	REVISED PER DCA W 9794	10-8-10	L.A.	
C	ECO 14818	9-28-11	ME	

**INSTALLATION:**

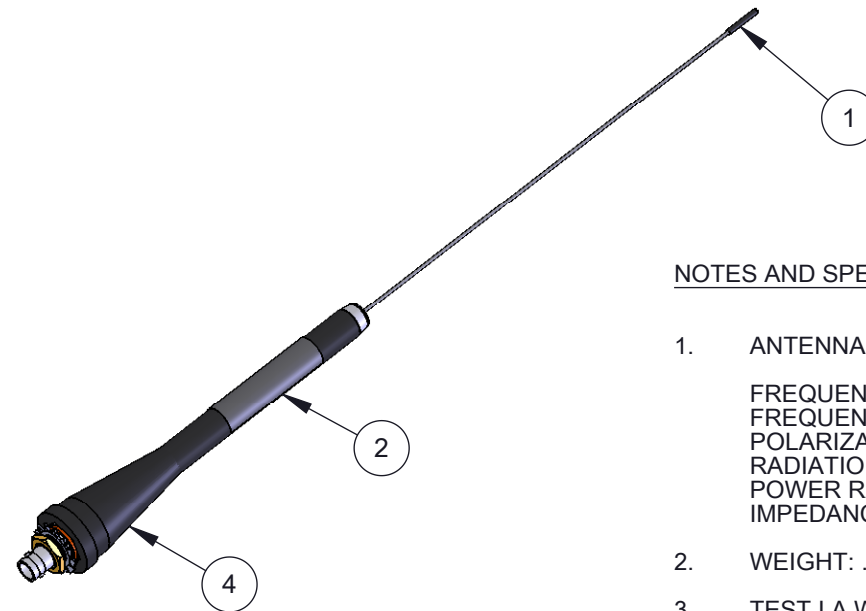
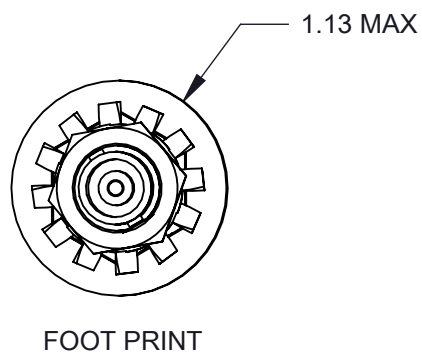
1. PREPARE ANTENNA MOUNTING SURFACE TO ENSURE GROUND CONTACT OF LESS THAN 0.003 OHM. IF BARE METAL SURFACES ARE NEEDED, TREAT WITH APPROPRIATE ANTI-OXIDATION COMPOUND.
2. DRILL 0.562 DIAMETER HOLE IN AIRCRAFT SKIN. USE ADAPTER OR BACKING PLATES AS REQUIRED. REFER TO FAA ADVISORY CIRCULAR 43.13-2A FOR COMPLETE INFORMATION. REMOVE 1/2-28 HEX NUT AND EXTERNAL TOOTH LOCK WASHER FROM BASE OF ANTENNA. INSTALL ANTENNA IN MOUNTING HOLE, ENSURE THAT "O" RING REMAINS IN BASE OF ANTENNA CONNECTOR FLANGE GROOVE AND THAT THE CONNECTOR HAS SUFFICIENT CLEARANCE THROUGH THE AIRCRAFT SKIN.
3. TO MOUNT ANTENNA, PLACE LOCK WASHER AND HEX NUT ON INSIDE OF AIRCRAFT AND SANDWICH THE AIRCRAFT SKIN BETWEEN THE BASE OF THE ANTENNA AND LOCK WASHER, FOLLOWED BY THE HEX NUT. TIGHTEN HEX NUT TO BETWEEN 25 TO 30 INCH LBS.
4. APPLY A SMALL, SMOOTH FILLET OF RTV SEALANT AROUND PERIPHERY OF ANTENNA BASE TO SEAL OUT MOISTURE.



DETAIL A



15" MAX AFTER TRIMMING



**NOTES AND SPECIFICATIONS:**

1. ANTENNA CHARACTERISTICS (TA=20°C ± 5°C)  
 FREQUENCY: 121.5MHZ VSWR: 2.0:1 MAX  
 FREQUENCY: 406.028MHZ VSWR: 1.5:1 MAX  
 POLARIZATION: VERTICAL  
 RADIATION PATTERN: OMNIDIRECTIONAL  
 POWER RATING: 5 WATTS  
 IMPEDANCE: 50 OHMS
2. WEIGHT: .18LB. MAX
3. TEST I.A.W. PROCEDURE 4300 AND 2777.
4. APPLY LABEL (ITEM 2) AS SHOWN, EXACT PLACEMENT NOT CRITICAL.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	183-0778	GUARD ANTENNA SAFETY TIP	1
2	591-0773	LABEL, 110-773 ANTENNA	1
3	850-0750	GLUE, CYANOACRYLATE (SUPER GLUE)	AS REQ.
4	870-0776	ANTENNA, 121.5/406 MHz	1

LIST OF MATERIALS OR PARTS LIST

UNLESS OTHERWISE SPECIFIED: ALL ANGLES ARE 90°		DRAWN DA 11-12-07	<b>ACR ELECTRONICS, INC</b> 5757 RAVENSWOOD RD. FT. LAUDERDALE FL 33312 <b>ANT, 121.5/406MHz WHIP</b>		
TOLERANCES ON		CHECKED - -			
MILLIMETER	FRACTIONS	DECIMALS			ANGLES
X. ± .25 X.X ± .125 X.XX ± .006	±1/64	.X ± .030 .XX ± .010 .XXX ± .005			X ± 5° .X ± 2° .XX ± 1° .XXX ± 1/2° IMPLIED: ±1°
ANSI-B SOLIDWORKS		APVD. LF 11-12-07	( ) DENOTES REVISION CHANGE (+) DENOTES DIMENSION PLUS DRAFT ANGLE (-) DENOTES DIMENSION MINUS DRAFT ANGLE (XX) DENOTES REFERENCE NOTE OR DIMENSION (XX) DENOTES CRITICAL INSPECTION DIMENSIONS		
		SCALE 1:8	SIZE B	CODE IDENT. NO. 60253	
		SHEET 1 OF 1	DRAWING NO. 110-773	REV C	