



REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	PRODUCTION RELEASE	JHAGER 9/8/21	DV
B	UPDATED TOLERANCE TO MORE CLOSLY MATCH MANUFACTURING TOLERANCES, COMBINED MHF1/UFL, AND MHF4 TO TABULATION. ADDED CABLE DIAMETER, MAX PANEL THICKNESS, AND BEND RADIUS.	JHAGER 10/28/21	
C	UPDATED DRAWING TO REDUCE TABULATED VARIABLES. DRAWING WAS ANT-W63-WRT-CCC	JHAGER 3/8/22	

- NOTES: (UNLESS OTHERWISE SPECIFIED)
- ALL DIMENSIONS ARE IN MILLIMETERS [in].
  - DIMENSIONS APPLY AFTER FINISHING.
  - MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE,USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
  - PACKAGE ANTENNAS INDIVIDUALLY PRIOR TO PLACING IN LOT BAG. LABEL LOT BAG, AND BOX WITH THE FOLLOWING INFORMATION ONLY:
    - LOT NUMBER
    - LINX PART NUMBER
    - QUANTITY
    - COUNTRY OF ORIGIN
  - ANTENNA QUALIFIED AND TESTED IAW LINX INTERNAL TEST PLAN DOCUEMNT AT LATEST REVISION.
  - ELECTRICAL DATA SHOWN FOR REFERENCE ONLY. SEE LINX DATA SHEET FOR COMPLETE ELECTRICAL PROPERTIES:
    - CENTER FREQUENCY W63 TRI-BAND
      - BAND 1: 2.45 GHz
      - BAND 2: 5.8 GHz
      - BAND 3: 7.1 GHz
    - 50Ω IMPEDANCE
    - VSWR <2.5 TYP @ CENTER
  - MECHANICAL:
    - USE TEMPERATURE: -40°C - +90°C
    - INSTALLATION TEMPERATURE: +10° - +40°C
    - STORAGE TEMPERATURE: +20° @ 50%RH
    - BULKHEAD PLASTIC NUT TORQUE: NTE 4.0kgf/cm [5in/lbS]
    - Ø.425" [10.8mm] RECOMMENDED INSTALL HOLE SIZE
    - MINIMUM BEND RADIUS: 10.2mm
    - MAX PANEL THICKNESS: 4.7mm [.188"]
    - INTERFACE WITH SMA TYPE OF REVERSE POLARITY GENDER TYPE

ITEM NUMBER	DESCRIPTION
10	GASKET FOAM ADH ACRYLIC/ACRYLIC
9	NUT OCT M11X1 POM BLACK
8	SHRINK TUBE 2:1 POLYOL BLACK
7	CONNECTOR RP-SMA TYPE GOLD/BRASS
6	CABLE COAX RG174U BLACK
5	GUIDE CABLE W63 ABS BLACK
4	COUNTERPOISE W63 ELEM NICKEL/BRASS
3	BASE THREADED M11X1 ABS BLACK
2	ELEMENT 2.4/5.8/7.1GHZ W63 RPC
1	COVER ELEMENT ABS BLACK

DESIGN TABLE	
PART NUMBER	CABLE LENGTH
ANT-W63-WRT-RPS	216±2mm [8.50]

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MATERIAL:	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.	PROJECTION: 
WEIGHT:	.X ±2.0 .XX ±1.00 .XXX ±.500	
FINISH:	ANGLES: ±1° SURFACE:	
DRAWN: JHAGER		DT: 10/8/20
ENGR: DASARATHAN		DT: 3/1/21

**STE connectivity** 159 ORT LANE  
MERLIN, OR 97532

TITLE:  
**ANTENNA PURCHASED ASSEMBLY  
WRT VAR END CONN AND PACK**

SIZE <b>B</b>	DWG. NO. C-ANT-W63-WRT-RPS-LLL	REV <b>C</b>
SCALE: 1.5:1	DO NOT SCALE DRAWING	SHEET 1 OF 1