



SOURCE CONTROL DRAWING

APPROVED SOURCE LIST

Intermec P/N	Manufacturer	Manufacturer's Part Number
805-662-001	Antenex (A Unit of Laird Technologies)	OEM2689-P110

NOTE: THESE PARTS MUST CONFORM TO DOC #631869, INTERMEC RESTRICTED SUBSTANCES COMPLIANCE REQUIREMENTS, MOST CURRENT REVISION.

- 1.0 SCOPE:** This drawing describes the requirements for a RoHS compliant, dual band (2.4/5.8 GHz) IEEE 802.11a/b/g, omnidirectional, external antenna kit designed for use with Model CV30 and Model CV60 series computer terminals.
- 2.0 QUALITY ASSURANCE:** Intermec Receiving Inspection reserves the right to use AQL sampling techniques when inspecting a lot.
- 3.0 MARKINGS:** Individual parts will not be labeled. Packaging labeling shall be per Intermec documents as shown below, latest revision:
- 606427 – Dash Number Part Identification and Marking
 - 609030 – US Customs Product Documentation Requirements
 - 607767 – Packaging and Labeling Requirements for Incoming Materials
- 4.0 CONTAINERS:** The containers holding these devices must be capable of protecting them from damage and contamination during handling and shipping.

DRAWN BY: J. McROBERTS	CAGE CODE 33825	Intermec Technologies Corp. 6001 36 th Ave W. Everett, Wa 98203	TITLE IEEE 802.11abg EXTERNAL ANTENNA, RoHS
COGNIZANT ENGR: K. BRAGINTON	REV. B	Sheet 1 of 3	INTERMEC DRAWING NO. 805-662

5.0 ANTENNA SPECIFICATION:

- 5.1 Frequency Range: ISM (BT) 2.4 to 2.5 GHz
ISM 4.9 to 5.85 GHz
- 5.2 Nominal Impedance: 50 ohm impedance with resistive element measuring less than 2k Ohms
- 5.3 Polarization: Linear
- 5.4 Radiation Pattern : Omnidirectional
- 5.5 VSWR: 2:5:1 nominal
3.0:1 minimum
- 5.6 Minimum Average Gain: -10dBi (both bands)
- 5.7 Peak Gain: 3.0 dBi (2.4 to 2.5 GHz)
5.0 dBi (4.9 to 5.85 GHz)
- 5.8 Input Power: 1 Watt max.

6.0 MECHANICAL RATINGS:

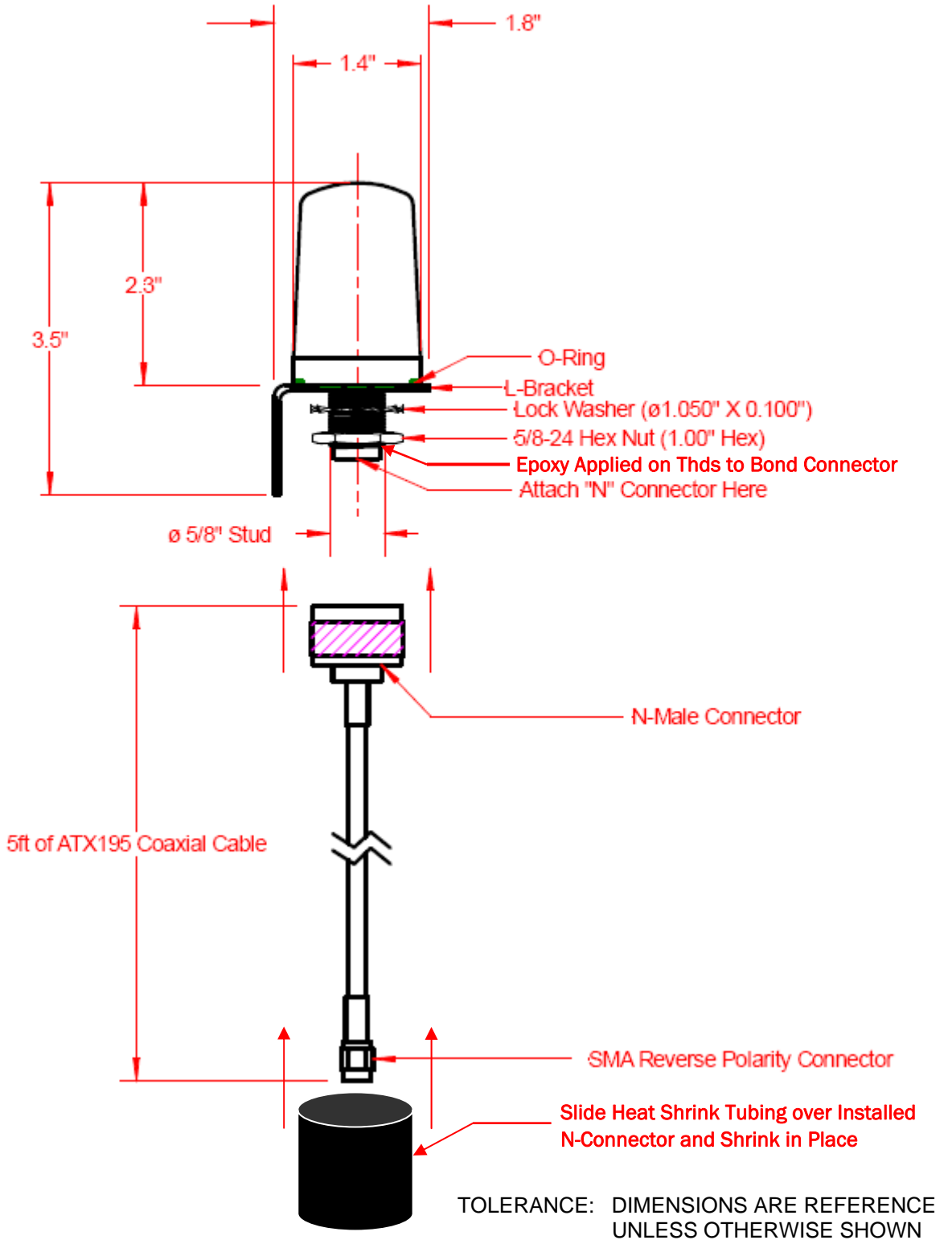
- 6.1 Ambient Operating Temperature: -30°C to +85°C
- 6.2 Radome Material: ABS, white color
- 6.3 Antena Interconnection: Permanently attached pendant cable
- 6.4 Accessory Interconnecting Cable: 5 feet long coaxial cable with reverse polarity SMA plug
- 6.5 Mounting Bracket: L-bracket
- 6.6 Hardware: Synthetic rubber O-ring, 5/8-24 hex jamnut and serrated lock washer for mounting the antenna to the bracket, and three (3) each #10 x 5/8 inch Phillips pan head self-tapping stainless steel screws for mounting the bracket
- 6.7 Antenna Weight: 0.5 lbs.

7.0 Antenna Kit Assembly:



REV. B	Sheet 2 of 3	INTERMEC DRAWING NO. 805-662
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8.0 ASSEMBLY DRAWING (INCH):



REVISION HISTORY

Rev.	CN	Description of Change	Date
A	318831	Release	1/14/08
B	320352	Chng mfr's P/N, Revise ¶5.1 thru ¶5.8, ¶6.3 Permanently attached... was N female connector, ¶7.0 & ¶8.0 Add heat shrink, ¶8.0 Add epoxy	7/25/08