

APPROVED SUPPLIERS

Manufacturer	Address/Telephone	805-552	Manufacturer's Part No.						
Centurion Div. of Laird Technologies	P.O. Box 82846 Lincoln, NE 68501 (800) 228-4563	-001 Or -002	CAF94606 CAF94606AA CAF94606AA						

NOTE: -002 PART MUST CONFORM TO DOC #631869, INTERMEC RESTRICTED SUBSTANCES COMPLIANCE REQUIREMENTS, MOST CURRENT REVISION.

1.0 Scope: This specification describes the requirements for an omnidirectional 2.4 GHz antenna supplied with a 60 inch length of RG-142 coaxial cable terminated in a reverse polarity SMA connector.

Intermec			RoHS
Part No.	Center Freq.	Operating Temp.	Compliant
-001	2450 MHz	-40 to +70°C	No
-002	2450 MHz	-40 to +70°C	Yes

- 2.0 Quality Assurance: Intermec Receiving Inspection reserves the right to use AQL sampling techniques when inspecting a lot.
- **3.0 Packaging:** All antennas will be packaged in containers capable of protecting them from damage in common carrier shipping and handling.

	REVISION HISTORY									
Rev.	File No.	Date	Approved							
Α	C1316	Release	2/05/98	JM						
В	C3801	Withdraw specification	6/02/03	JM						
С	C4087	Reissue specification, Change mfr, Revise ¶2.0 & ¶4.0, Reformat ¶5.0 thru ¶7.3,	1/16/04	JS						
		¶5.4 2:1 was 1.5:1, ¶8.0 Reference was +/-0.1, Delete notes & add isometric dwg								
D	310316	Add -002 part, Add alt mfr P/N, Add compliance note, Revise ¶1.0 & 8.0	6/07/06	SJ						

REVISION LEVEL	D	С	D																						
SHEET NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
COMPONENT ENGR	۲.	DAT	ΓE											TITLE											
B. SCHMID		1/	15/9	9	In	Intermec Technologies Corp.							р.	OMNIDIRECTIONAL ANTENNA, 2.4GHz											
COGNIZANT ENGR.		DAT	ΓE		55	550 Second Street S.E.						DRAWING NO.													
R. LIBONATI		-		-	Ce	Cedar Rapids, IA 52401						805-552-00X													
APPROVED		DAT	ΓE		Te	leph	one	No.	(31	9) 36	69-3 1	100													
J. McROBERTS	3	2/	05/9	8	Fa	icsin	nile N	lo.	(31	9) 36	69-34	153										Sh	neet	1 o	f 3

- 4.0 Markings: Each smallest shipping container will be labeled or otherwise marked with the manufacturer's name or trademark, and the part number designation. Major shipping cartons will be marked with the Intermec part number.
- 5.0 Antenna Specifications:
- 5.1 Center Frequency: 2450 MHz
- 5.2 Frequency Bandwidth: 100 MHz
- 5.3 Nominal Impedance: 50 Ohms
- 5.4 VSWR: 2:1 (minimum performance)
- 5.5 Antenna Peak Gain: 3.0 dBi
- 5.6 Pattern (Total Power): Omnidirectional
- 5.7 Maximum Input Power: 50 Watts
- 5.8 Polarization: Mixed

6.0 Mechanical Specifications:

- 6.1 Antenna Type: Air-loaded patch
- 6.2 Operating Temperature Range: -40°C to +70°C
- 6.3 Storage Temperature Range: -40°C to +70°C
- 6.4 Antenna Mounting Means: Supplied with bracket, ceiling bracket, screws and velcro strips

7.0 Materials:

- 7.1 Antenna Elements: Not specified
- 7.2 Radome Material: ABS, off-white color
- 7.3 Cable Assembly: 60 inches (ref.) of 50 ohm coaxial cable, RG-142 style, with reverse polarity SMA plug

