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Specification Sheet

RFID Labels

Features:

- Thermal transfer, paper-face, wet inlay with a permanent acrylic adhesive
- Excellent print quality with Zebra 3200 wax/resin ribbon

Suggested Applications:

- Suitable for apparel and supply chain management application
- Global, high performance, especially in SCM and item level applications
- Suitable for Item Level Tagging for apparel items as qualified by the University of Arkansas RFID Research Center
- Product identification
- Apparel labeling
- Compliance labeling
- Labeling of packaging material including corrugate and plastic

Material Construction:

	Description	Caliper
Facestock	White smooth topcoated paper	3.1 mil
Adhesive	High performance, acrylic-based	0.8 mil
Liner	40 lb. glassine stock	2.2 mil
	Total*	6.1 mil +/- 10%




*Does not include RFID inlay

Temperature Performance:

- Minimum Application Temperature: 41° F (5° C)
- Service Temperature: 14° F to 248° F (-10° C to 120° C)
- Storage Conditions: 32° F to 70° F (0° C to 21° C) at 35% to 50% RH
- Expected Exterior Life: Not recommended for outdoor use



Technical Specifications:

	BELT 	DOGBONE 	SHORTDIPOLE 
Zebra Part Number	10015350	10015351	10015352
Labels/roll	5,000	3,000	5,000
Integrated Circuit	Impinj Monza 5	Impinj Monza 4D	Impinj Monza 4D
Protocol	EPC Class 1 Gen 2, ISO 18 000-6C	EPC Class 1 Gen 2, ISO 18 000-6C	EPC Class 1 Gen 2, ISO 18 000-6C
Operation frequency	860 - 960 MHz	860 - 960 MHz	860 - 960 MHz
Operating temperature	-40 to 180° F	-40 to 180° F	-40 to 180° F
Memory	128 bit EPC	128 bit EPC plus 32 bit	128 bit EPC plus 32 bit
Antenna Size	2.748 x 0.551 in	3.382 x 0.945 in	3.661 x 0.433 in
Label dimensions	2.874 x 0.669 in	3.819 x 1.063 in	3.819 x 0.591 in

Surface Compatibility:

	Cardboard*	Polypropylene	Teflon	Polyurethane	Glass	Duroid (ceramic)	Close coupling**
Belt	2	3	3	2	1	1	3
DogBone	1	3	3	3	2	2	1
ShortDipole	3	3	3	2	2	2	1

- 1 – Surface offers limited use with this antenna
- 2 – Moderate acceptability
- 3 – Best surface to use with this antenna

* Contents of corrugate packaging may have noticeable effect on RF performance.

** Close coupling refers to how well the inlays tolerate overlapping each other or stacking in close proximity (<1") from each other.

Product Performance and Suitability

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application. Testing is highly recommended.

