SMARTRAC

ShortDipole™

Protocol	EPC Class 1 Gen 2
Operating frequency	Global 860–960 MHz
Antenna size	93 x 11 mm / 3.7 x 0.4 inch
ShortDipole™ key features	• Global robust performance for logistics applications. • Optimum performance on lower detuning materials like cardboard and plastic, also for corrugate boxes and RTIs. • Improved ShortDipole™ performance in established 4" form factor. • Serialized TID.

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Antenna dimensions

Antenna size	93 x 11 mm / 3.66 x 0.43″
Die-cut size	97 x 15 mm / 3.82 x 0.59″
Web width	100 mm / 3.94″

Electrical specifications

IC	Impinj Monza5
EPC memory	128 bit
Operating frequency	860–960 MHz

General characteristics of inlay

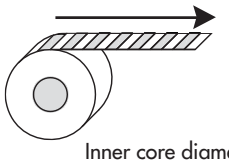
Operating temperature	-40 °C to 85 °C -40 °F to 185 °F
Bending diameter (D)	> 50 mm tension max. 10 N
Static pressure (P)	<10 MPa

Delivery formats

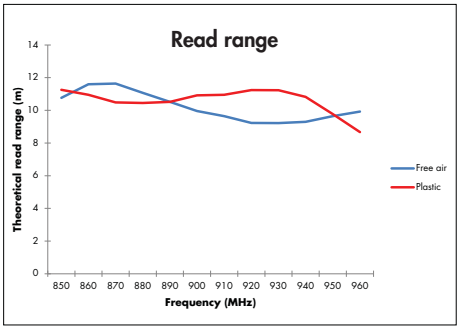
Available formats	Dry, wet, tag
Adhesive – temperature	Solvent-free permanent adhesive min. -20 °C to 80 °C min. -4 °F to 176 °F
Quality	100% performance tested

Reel details

Standard reel size	20,000 dry or wet inlays / 5,000 tags



Inner core diameter 76 mm / 3 inch



All the graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a 2W ERP output power level.

SMARTRAC TECHNOLOGY GROUP uses three different test methods to evaluate the reliability of the RFID inlay and tag products it produces. Products are tested according to IEC 60068-2-67 (temperature and humidity), JESD22-A104-B (temperature cycling) and an in-house developed bending test.

Disclaimer
SMARTRAC TECHNOLOGY GROUP reserves the right to change its products and services at any time without notice. Our recommendations are based on our latest knowledge and experience. As our products are used in circumstances beyond our control, we cannot be held liable for any damage caused through their use.