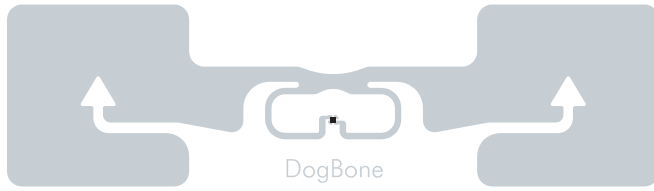


DogBone™

| | |
|------------------------------|---|
| Protocol | EPC Class 1 Gen 2 |
| Operating frequency | Global 860–960 MHz |
| Antenna size | 86 x 24 mm / 3.4 x 0.9 inch |
| DogBone™ key features | <ul style="list-style-type: none">• High end product for global supply chain applications and RTI's• Excellent global performance, even on difficult to tag materials• Possibility for different memory options;<ul style="list-style-type: none">• EPC from 128-bit to 496-bit• User memory from 36-bit to 512-bit• QT™ technology capability• Serialised TID |



DogBone™

Antenna dimensions

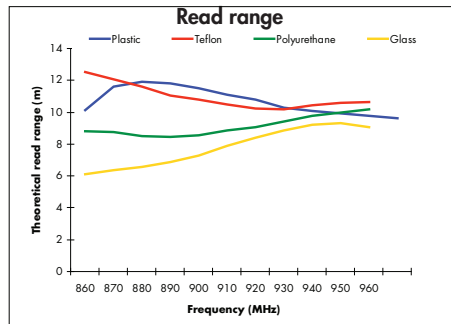
| | |
|--------------|---------------------------|
| Antenna size | 86 x 24 mm / 3.39 x 0.94" |
| Die-cut size | 97 x 27 mm / 3.82 x 1.06" |
| Web width | 100 mm / 3.94" |

Electrical specifications

| | |
|---------------------|----------------|
| IC | Impinj Monza 4 |
| EPC memory | up to 496 bit |
| User memory | up to 512 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 |

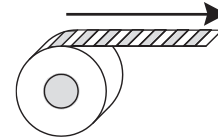


Delivery formats

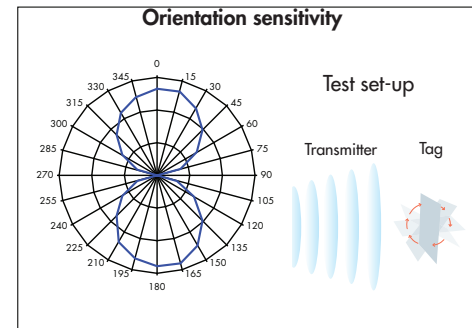
| | |
|------------------------|--|
| Available formats | Dry, wet, tag |
| Adhesive – temperature | Solvent-free permanent adhesive min. -10 °C to 120 °C min. 14 °F to 248 °F |
| Quality | 100% performance tested |

Reel details

| | |
|--------------------|---|
| Standard reel size | 10,000 dry inlays / 5,000 wet inlays / 3,000 tags |
|--------------------|---|



Inner core diameter 76 mm / 3 inch
Reel diameter < 305 mm / 12 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.