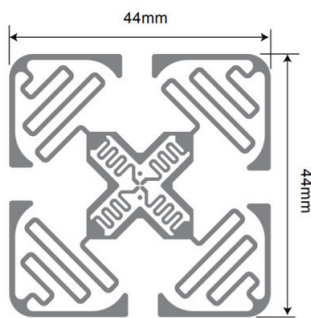


BoingTech™ BT0295 RFID Inlay

Advanced Zebra-Certified RFID inlay

RFID inlays are critical to achieve the real-time visibility needed to streamline operations, minimize errors in asset-related data, as well as track, identify and maximize asset utilization. Zebra Certified Inlays deliver excellent performance, so you can rest assured that they will efficiently and effectively encode and read, leading to a higher application ROI, and best in-class user experience. The advanced BoingTech™ BT0295 is a dual-dipole inlay, offers excellent performance on all applications and provides unmatched readability from any orientation. It is available with a M4QT chip for applications requiring additional memory. Tested for optimal performance with Zebra printers and RFID readers, the BoingTech BT0295 inlay enables you to maximize the benefits of RFID asset identification.



Unmatched read ranges on all orientations

The BT0295 inlay provides unparalleled performance on applications that need to be read at any angle, no matter what position the reader is in, without requiring a long read range.

Offers additional user memory for the applications that need it

The BT0295 inlay uses the Monza M4QT which offers 128 bits of EPC and 512 bits of User memory. This additional user memory allows users to comply with industry or customer guidelines for high memory or when there is not a reliable connection to a remote database.

Zebra Certified for reliable performance

Zebra Certified Inlays have been pre-tested to ensure industry-leading performance and low instance of printer voids. Read range performance has been characterized on multiple surface types using industry standard Voyantic Tagformance test equipment. They feature the best-performing chips to support a variety of application requirements. The inlay position has been tested in Zebra industrial, desktop and mobile printers to ensure reliable encoding. Zebra is ISO 9001 certified and uses quality processes to reduce instances of unsuccessful encoding. And, we use consistent thermal materials from order-to-order to safeguard print consistency and quality.

Unmatched expertise in RFID

Zebra is your trusted expert in all things RFID. We offer end-to-end RFID solutions – including pre-tested RFID supplies made with the right materials and adhesives, along with the highest-performing inlays and chips – customized for your application. We have played a central role in pioneering RFID technologies and defining global standards since the mid-1990's, when smart-label technology first appeared. We were recognized as the #1 RFID brand by the 2018 RFID Journal's Brand Report. And we hold more than 575 RFID patents and numerous industry firsts in RFID.

Zebra ZipShip — on the shelf and ready to ship

Need an RFID labeling solution in a hurry? This inlay is in-stock and ready for immediate dispatch as part of our ZipShip program. You get fast shipment, and the minimum order is just one box.

Achieve unmatched read performance from all orientations with the advanced BoingTech BT0295 inlay. For more information, please visit www.zebra.com/rfidlabels

Specifications

Technical Information

Chip	Monza M4QT
EPC memory	128-bit
User memory	512-bit
TID	96 bit factory locked (48 bit unique)
Read Sensitivity	-20 dBm
Write Sensitivity	-17 dBm
RFID Standards	EPC Gen2v2
Read Range	Up to 7 m in free space

Theoretical Read Range: ETSI (865-868 MHz)*

Air	4 m
Cardboard	7 m
Fiberglass	2 m
Glass	1 m
PTFE	5 m
Polyacetyl	3 m
PVC	3 m
Rubber	2 m

Theoretical Read Range: FCC (902-928 MHz)*

Air	7 m
Cardboard	6 m
Fiberglass	3 m
Glass	0.2 m
PTFE	5 m
Polyacetyl	4 m
PVC	4 m
Rubber	1 m

Testing and Compliance

BT0295 is a dual-dipole inlay and offers excellent performance in all orientations. It is available with a M4QT chip for applications requiring additional memory (128 bit EPC/512 bit User).

Material Testing in End Application

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.

Footnotes

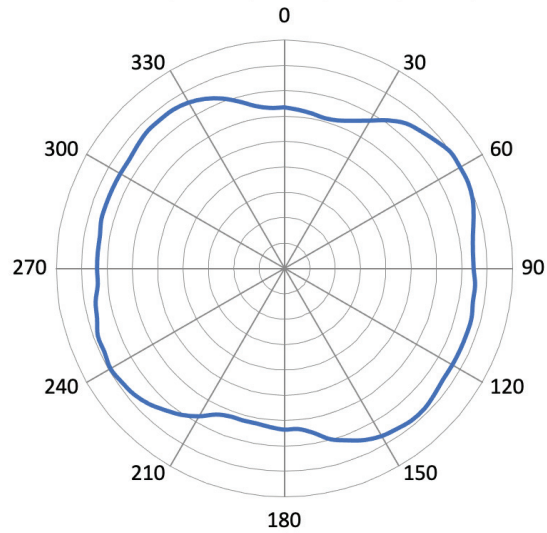
*Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.

Warranty

Supplies are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit: zebra.com/warranty.

Radiation Pattern

**This dual-dipole inlay does not have a reduction in read range when perpendicular (90° and 270°) to the reading antenna. To learn more about Radiation Pattern visit: zebra.com/labels



Markets and Applications

Logistics

- Item/Case labeling

Warehousing

- Work-in process

Retail

- Item/Case labeling

Healthcare

- Asset labeling

Government

- Asset labeling

Manufacturing

- Component labeling



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