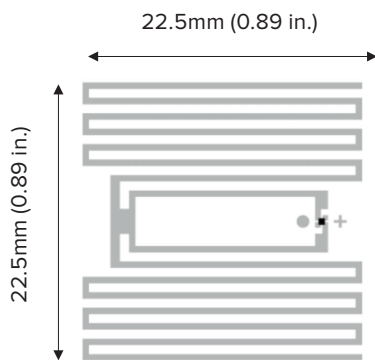# Boingtech BT782 RFID Inlay

General Purpose 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 general purpose Boingtech BT782 inlay is well suited for item level tracking applications requiring a small form factor. Tested for optimal performance with Zebra printers and RFID readers, the Boingtech BT782 inlay enables you to maximize the benefits of RFID for the identification small items.

22.5mm (0.89 in.)

22.5mm (0.89 in.)

Designed for use on small items
The size of the Boingtech BT782 makes it the perfect choice for the identification of small items and those where a loop label design is needed due to the shape of the item. It offers read ranges of up to 3m.

Zebra Certified for consistently exceptional performance
Zebra is ISO 9001 certified and use quality processes to reduce instances of unsuccessful encoding. We pre-test labels with Zebra readers and printers to ensure industry-leading performance. And, we use the same label material from order-to-order to safeguard 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 on-metal 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.

Enable tracking of your small items with the Boingtech BT782.
For more information, please visit www.zebra.com/rfidlabels

Specifications

Technical Information

Chip	Monza 4QT
EPC Memory	128-bit
User Memory	512-bit
TID	96 bit factory locked (48 bit unique)
Read Sensitivity	-19.5 dBm
Write Sensitivity	-16.7 dBm
RFID Standards	EPC Gen2v2
Read Range	Up to 3 m in free space

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

Air	2m
Cardboard	2m
Fiberglass	1m
Glass	-
PTFE	3m
Polyacertyl	1m
PVC	2m
Rubber	-

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

Air	3m
Cardboard	3m
Fiberglass	-
Glass	-
PTFE	3m
Polyacetyl	2m
PVC	2m
Rubber	-

Testing and Compliance

All inlays certified by Zebra have been pre-tested with Zebra printers and readers.
Meets Auburn ARC Specs: A, B, C, D, F, G, I, K, L, M, N, Q
For more information on Auburn's ARC specifications, testing, and the certification process, please go to rfid.auburn.edu.

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.

Radiation Pattern

**Read range drops to 12% of maximum when inlay is perpendicular (90° and 270°) to reading antenna. To learn more about radiation pattern, visit zebra.com/rfidlabels

Footnotes

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

Need BT782 Radiation Pattern

Markets and Applications

Healthcare
• Asset labeling

Government
• Field asset labeling

Manufacturing
• Component labeling