Boingtech BT784 RFID Inlay

General Purpose High-Memory 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 high-memory Boingtech BT784 inlay is well suited for item level tracking applications requiring additional user memory, due to lack of a reliable connection to a remote database or an industry guideline. Tested for optimal performance with Zebra printers and RFID readers, the Boingtech BT784 inlay enables you to maximize the benefits of RFID to those not connected to a system to access data.

Offers additional user memory for the applications that need it
The BT784 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.

Enable access to critical data with the high-memory Boingtech BT784.
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	-23 dBm
Write Sensitivity	-18 dBm
RFID Standards	EPC Gen2v2
Read Range	Up to 11 m in free space
Theoretical Read Range: ETSI (865-868 MHz)*	
Air	10 m
Cardboard	9 m
Fiberglass	9 m
Glass	9 m
PTFE	9 m
Polyacetyl	8 m
PVC	9 m
Rubber	9 m
Theoretical Read Range: FCC (902-928 MHz)*	
Air	8 m
Cardboard	9 m
Fiberglass	10 m
Glass	6 m
PTFE	10 m
Polyacetyl	10 m
PVC	11 m
Rubber	6 m

Testing and Compliance

All inlays certified by Zebra have been pre-tested with Zebra printers and readers.

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.

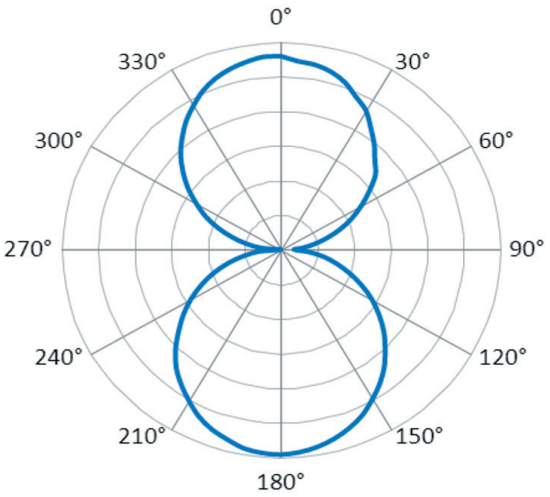
Product Performance & Suitability	
Storage Temperature	-55°C/+125°C
Operating Temperature	-40°F to 158°F (-40 to 70°C)

Footnotes

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

Radiation Pattern

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



Markets and Applications

Logistics
- Case/pallet labeling

Warehousing
- Work-in process

Healthcare
- Asset labeling

Government
- Asset labeling

Manufacturing
- Component labeling

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