

12mm Glass Encapsulated HDX Transponders



Product bulletin

For the first time, an HDX 12mm glass encapsulated RFID tag form factor is available with all the benefits of HDX technology. The 12mm TRPGR30TGC and TRPGP40TGC glass encapsulated mini-transponders are ready-to-use and 100 percent backwards compatible with all of TI's RFID software and readers including power modules, control modules and micro reader.

The TRGPR30TGC is pre-programmed with unique coding for industrial applications and asset tracking and can be fully encapsulated in carbon fiber (bicycle frames, aerospace, automotive applications), environments with high noise levels (industrial applications, assembly lines) and in salt water.

The TRPGP40TGC can be programmed by the user with the easy-to-use microreader USB stick MRD2EVM according to ISO 11784 /11785 global livestock ID standards, so customers can create compatible products for livestock, pet ID and fish tracking.

The passive mini-transponder tags are 12mm x 2.12mm, have excellent read range, high resistance against noise through FSK modulation and extremely consistent performance through electronic resonance tuning making them ideal for applications in fields where other technologies (LF FDX, HF and UHF) have not been present.

TI's complementary portfolio and software support help developers get their tagging products to the global market faster. See

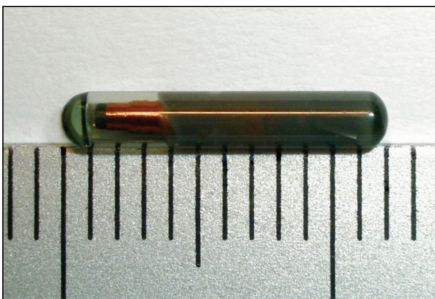
www.ti.com/rfid

Key Features

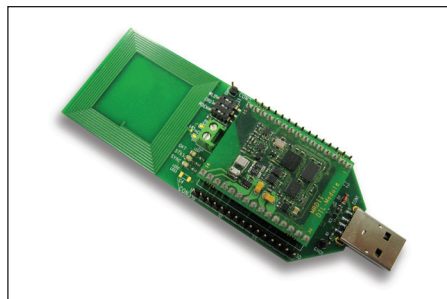
- Large read range through HDX+ technology
- Patented transponder tuning provides stable and high read performance
- Excellent readability in close proximity to metal
- Readability in salt water

Applications

- Animal ID:
 - Pet ID
 - Fish ID
- Tool tagging
- Asset tracking
- Bicycle frame tagging (anti theft)



▲ Glass encapsulated mini-transponder



▲ USB MRD2EVM evaluation kit

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Phone	
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International	+49 (0) 8161 80 2121
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Direct Email	asktexas@ti.com

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Phone	
International	+91-80-41381665
Domestic	<u>Toll-Free Number</u>
Note: Toll-free numbers do not support mobile and IP phones.	
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China	800-820-8682
Hong Kong	800-96-5941
India	1-800-425-7888
Indonesia	001-803-8861-1006
Korea	080-551-2804
Malaysia	1-800-80-3973
New Zealand	0800-446-934
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