

# tranSpeed®

## TPU3050 – The UHF ISO Card Transponder

deister electronic has developed a complete solution for the automatic identification of vehicles and other objects. The tranSpeed family includes all system components including transponders, readers, controllers, software and all necessary accessories.

These innovative tranSpeed products offer long range contactless identification using either the latest UHF or microwave technology. tranSpeed is ideal for car parking and the identification of buses, trains and trams as well as container tracking and logistics.

### TPU3050

The TPU3050 is a passive UHF ISO card transponder according to ISO 18000-6C (Class 1 Gen 2).

This transponder is especially designed for various access control, parking and logistic applications. The TPU3050 can be used as a personal identifier or can be attached to a vehicle windscreen using the CH4 cardholder.

The transponder memory is programmed with the deister smartframe. The smartframe allows user specific data formats from 1 to 64 bit. Using a programming station, the user is capable of programming the transponders himself. Various security features are integrated to ensure data integrity and to prevent copying of the transponder.

### Your benefits at a glance:

- **Higher Read Range compared to 125 kHz and 13.56 MHz Transponders**
- **No Maintenance**
- **Durable and Small**
- **Card Personalization possible (Pictures, Logos, etc.)**
- **Copy Protected for Your Security**
- **User-Programmable**



### Technical Data

#### Dimensions:

mm (inch) W x H x D                      85 x 54 x 0.84 (3.3 x 2 x 0.03)

**Operating Temperature:** –20...+50 °C  
–4 °F...+122 °F

**Frequency:** 868 MHz (EU)  
915 MHz (US)  
952 MHz (JP)

**Transponder Protocol:** ISO 18000-6C  
(Class 1 Gen 2)

**Reading Distance:**  
in m (ft.)                                      up to 4 (13), depending on  
reader and environment

**OTP:** User formats up to 64 bit

**Memory Capacity:** 384 bit free memory