



## Semi Passive UHF Temperature Logger Tag FTS01

Product Description	Semi Passive UHF Temperatur Logger FTS 01
<p>This product family is the ideal portfolio of RFID enabled loggers for temperature-sensitive products that may be damaged when exposed to improper temperature ranges during shipment and storage. Especially indicated for food and pharmaceuticals, the RFID loggers are well suited also for chemicals and special industrial products.</p> <p>Temperature loggers enable a new era of Cold Chain Management Solutions. Track &amp; Trace solutions based on EPCGlobal UHF RFID standards can be combined with environmental monitoring and shelf life prediction capabilities. tags can be read and configured using a standard EPCGlobal compliant RFID reader without the needs of special commands or devices.</p>	
<b>Electrical Characteristics</b>	
Device type	Class 1 Generation 2 passive UHF RFID transponder
Air interface protocol	EPCGlobal Class1 Gen2 ISO 18000-6C
Operating Frequency	860 MHz - 930 MHz
Data points	up to 4000
Memory Size	Up to 512 bits in EPC bank, up to 512 bits in User Memory bank
Alarms	Multiple user-configurable high temperature and low temperature alarms, ETA alarm, MKT alarm, shelf life alarm
<b>Thermal &amp; Environmental Characteristics</b>	
Temperature accuracy	±0.1°C typical, ±0.75°C maximum
Monitoring time span	Up to 5 years
Monitoring delay option	Up to 18 hours
Shelf Life Prediction	Calculations based on Arrhenius kinetic model with customer designation of time-temperature dependency
Shelf Life Monitoring	Provides Remaining Shelf Life information at check points with RFID reader or manual interface
Operating Temperature	-20°C up to +70°C
IP classification	IP67 Complete protection against dust Protection against continuous immersion in water
RoHs Compliance	YES
<b>Physical Characteristics</b>	
Available Shape	107x107x6.6 mm
Battery life	Up to 1 year
Weight	24gr
<b>Article no:</b>	
Article no:	FTS 01
<b>Typical Applications</b>	
Fresh food (fruit, vegetables)	
Seafood	
Milk-based products	
Meat and poultry	
Frozen food	
Chemical/pharmaceutical products	