

PHARMA

FOOD

CONSUMER GOODS

coolvu™
RF Compatible

Product Description:



CoolVu RF, based on the core CoolVu metal TTI technology, is an add-on to existing RFID systems, enabling electronic monitoring and transmission of the temperature history of the product to which it is attached. CoolVu RF works on the principle that the metal base layer within the indicator has electronic characteristics (capacitance and resistance) that are dynamic and affected as a result of being etched at a rate that is time and temperature dependant. As such, when attached to an RFID chip, a reader can collect data from the label that includes both the aggregate temperature history of the product, and the remaining shelf life left. This provides for intelligent inventory management, and creates an opportunity to dramatically reduce the amount of temperature related perishable shrink by first selling those products that the reader shows have the least shelf life left.

Product status: Under Development

Application:

CoolVu RF is intended to be an add-on to existing RFID solution that are deployed on temperature sensitive products. Currently RFID is experiencing growing use on a unit level within the pharmaceutical market, and is already in wide use on pallet level within the food business.

Features, Advantages & Benefits:

- CoolVu RF adds crucial dynamic temperature related information to current RFID systems that currently offer only static production and supply chain data.
- CoolVu RF offers both a visual and electronic reading of the temperature history
- Flexible in size and design
- CoolVu is dormant until activation and requires no special logistics or handling until that point

