

Description :

Texas Instruments' 13.56 MHz encapsulated plus transponder is compliant with the ISO/IEC 15693 and ISO/IEC 18000-3 global open standards. This product offers a user accessible memory of 2048 bits, organized in 64 blocks and an extensive command set.

Designed for harsh environments, such as garment tracking in laundries, each transponder has a 64 bit factory programmed Read Only Number, which is also laser engraved on the transponder housing. Prior to delivery, transponders undergo complete functional and parametric testing to provide the high quality that customers have come to expect from TI.

The 13.56 MHz encapsulated plus transponders are well suited for a variety of applications including but not limited to: laundry garment tracking, process automation, product authentication, and asset management.



Applications :

- Laundry
- Process Automation
- Product Authentication
- Asset Management

TI Part Number	RF-HDT-DVBB	RF-HDT-DVBE
Standard	ISO 15693, ISO 18000-3	
Frequency	13.56 MHz	
Transmission Principle	ASK, FSK	
Factory Programmed Read Only Number	64 bits	
User programmable Memory (bits)	2048	256
Security Features	User Memory Lock, Factory Memory Lock	
Dimensions (mm)	22 x 3	
Data Rate Downlink (kbits/s)	26	
Package	Coin	
Anticollision	Yes	
Recommended Operating Environment	Harsh	
Data Retention Time (Years)	10 years	
Programming Cycles	100,000	
Operating Temperature Range	-25°C to 90°C	
Storage Temperature	-25°C to 120°C	