

Description :

Texas Instruments' LF Card transponders are providing superior performance and operate at a resonance frequency of 134.2 kHz. Specific products are compliant to ISO/IEC 11784/11785 global open standards. Texas Instruments LF transponders are manufactured with TI's patented tuning process to provide consistent read and write performance. Prior to delivery, the transponders undergo complete functional and parametric testing, in order to provide the high quality customers have come to expect from TI. The transponder is well suited for usage in a broad range of applications including, but not limited to, access control, vehicle identification, container tracking, asset management and waste management applications.



Applications :

- Access Control
- Vehicle Identification
- Container Tracking
- Asset Management
- Waste Management

TI Part Number	RI-TRP-R4FF	RI-TRP-W4FF
Functionality	Read Only	Read / Write
Memory (Bits)	64	80
Standard	ISO 11784/11785	
Operating Frequency	134.2 kHz	
Modulation	FSK (Frequency Shift Keying) 134.2 kHz / 123.2 kHz	
Transmission Principle	HDX (Half Duplex)	
Power Source	Powered from the reader signal (batteryless)	
Typical Reading Range	≤ 100 cm	
Typical Programming Range	-	30% of specified reading range
Typical Reading Time	70 ms	
Typical Programming Time	-	309 ms
Typical Programming Cycles	-	100,000
Case Material	PVC (Polyvinylchloride), white, without print	
Protection Class	According to ISO 7810	
EMC	Programmed code is not affected by normal electromagnetic interference or X-rays	
Signal Penetration	Transponder can be read through virtually all non-metallic material	
Dimensions	85.5 x 54 x 1.3 mm	
Weight	12 g	