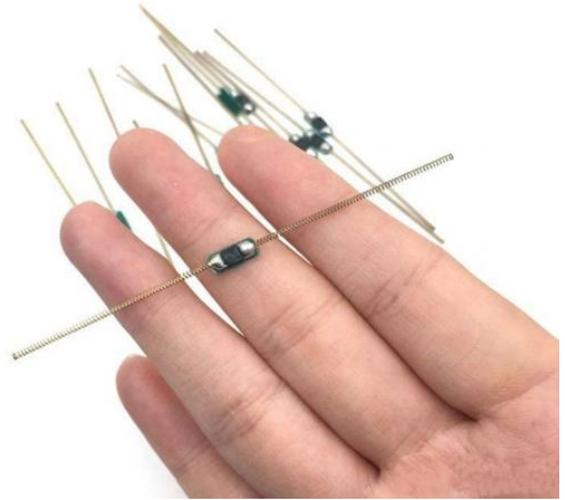


UHF RFID TYRE SPRING TAG

IDT TST



The RFID Tyre Spring Tag (IDT TST) is specifically designed to be embedded into the tire mold before the manufacturing and curing process. It serves as an ideal solution for tire identification and tracking, ensuring seamless integration into the tire production workflow. With its durable construction and advanced RFID technology, the IDT Tyre Spring Tag enables efficient and accurate tire management from the earliest stages of manufacturing.

PHYSICAL PARAMETERS

Dimension	Custom Size Available
Weight	± 2g
Encasement / Material	SS Spring
Packaging	Premium Plastic Packing

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-30 °C to 85 °C / -22 °F to 185 °F
Storage Temperature	-40 °C to 120 °C / -40 °F to 248°F
Cold Temperature Test	-40 °C (40 °F), 24 hours
High Temperature Test	120 °C (248 °F), 24 hours
Vulcanization Temperature	200 °C (392 °F), 30 mins, up to 5 MPa pressure, 2 cycles
Chemical Resistance	Resistant To Chemical Solvent and
Shock & Vibration	Moisture MIL STD 810-G
Attachment	Encapsulation
Sealing	IP 68

RFID PERFORMANCE

Working Frequency Standard	865 – 868 MHz (ETSI) / 902 – 928 MHz (FCC)
Protocol	EPC Class 1 Gen 2v2, ISO 18000-6C
Chip Type	Alien Higgs-9, Impinj M700/800 Series, UCODE 9 chip
EPC Memory	Chip Dependent
TID Memory	Chip Dependent
Read Range Fixed Reader	Up to 6m (Reader & Chip Dependent)
Read Range Handheld Reader	Up to 3m (Reader & Chip Dependent)

PERSONALIZATION

Pre-Encoding	Customer Specific Encoding of EPC
Customized Printed	Customer Specific Layout Including Logo, Text, Numbers, Barcode, etc.

ORDER INFORMATION

Part No.	IDT.RF.T.TST.BL (Blank)
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APPLICATION AREA



Inventory



Automotive



Warehouse



Industrial Applications



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