

# RFID SILICON TAG

## IDT SIL 5015



UHF



Low Cost



IP 68



Washable

ID TECH provides a highly reliable and versatile RFID Silicon Tag, which is specifically designed for various applications. The RFID tag has a compact size and flexible form factor, making it ideal for use in diverse settings such as retail, logistics, and healthcare. The silicon tag is constructed with a robust and durable material that can withstand harsh environments and harsh conditions, making it an ideal choice for harsh industrial settings. The tag is equipped with an advanced RFID chip, which provides a high read range and fast data transmission speed, making it ideal for real-time monitoring and tracking. Additionally, the RFID silicon tag is compatible with a wide range of RFID readers, making it a flexible choice for different application requirements. Overall, the RFID silicon tag provided by ID TECH is a reliable, high-performance, and cost-effective solution for a wide range of applications.

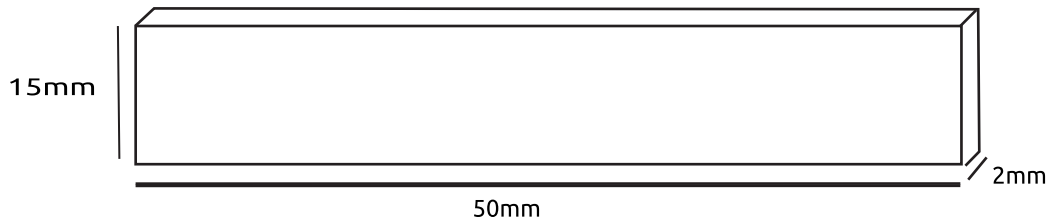
### PHYSICAL PARAMETERS

<b>Dimensions</b>	50mm x 15mm x 2mm
<b>Weight</b>	8 gm $\pm$ 1
<b>Encasement / Material</b>	Silicon
<b>Packaging</b>	Premium Plastic Packing

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	Washing: 90°C, 15 minutes, 200 cycle   Pre-drying in Tumbler: 180°C, 30minutes Ironer: 180°C, 10 seconds, 200 cycles   Sterilization Process: 135°C, 20 minutes
<b>Storage Temperature</b>	-40°C to +85°C
<b>Chemical Resistance</b>	Resistant To Chemical Solvent and Moisture
<b>Shock &amp; Vibration</b>	MIL STD 810-G
<b>Sealing</b>	IP 68
<b>Lifetime</b>	Up to 100 Washes
<b>Attachment</b>	Heat Sealing, Encapsulation

# IDT RFID SILICON TAG DIMENSION



## UHF PERFORMANCE

<b>Working Frequency</b>	860-960 MHz (ETSI), 902-928 MHz (FCC)
<b>Standard Protocol</b>	EPC Class 1 Gen2 (ISO18000-6C)
<b>Chip Type</b>	Alien Higgs-3 /4, Monza 4/4QT/5/R6/R6P, UCODE 7/8 chip
<b>EPC Memory</b>	Chip Dependent
<b>TID Memory</b>	Chip Dependent
<b>Read Range with Fixed Reader</b>	Up to 6m (Reader & Chip Dependent)
<b>Read Range with Handheld Reader</b>	Up to 3m (Reader & Chip Dependent)

## PERSONALIZATION

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

## ORDER INFORMATION

<b>Part No.</b>	IDT.RF.T.SIL.5015.BL (Blank)
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## APPLICATION AREA



Retail



e-commerce



Logistics



Supply Chain



Laundry



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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