

# UHF CYLINDER Tag

## IDT CL



UHF



Low Cost



IP 68



Durable

RFID UHF Cylinder Tag IDT CL is a high-quality tag designed specifically for metallic cylinders. These passive tags are built with UHF Gen2 Long Range technology, which provides adequate reading range for tracking cylinders even in harsh and hazardous environments. These tags are not only durable and sturdy but also handy, making them suitable for use in diverse industries such as warehouses and hospitals. Their ability to work seamlessly in different environments and withstand wear and tear makes them a reliable and efficient solution for tracking and managing cylinders or cylindrical items.

### PHYSICAL PARAMETERS

|                              |                         |
|------------------------------|-------------------------|
| <b>Dimension</b>             | 100mm x 15mm x 10mm     |
| <b>Weight</b>                | 15g ± 1                 |
| <b>Encasement / Material</b> | ABS/PC                  |
| <b>Packaging</b>             | Premium Plastic Packing |

### ENVIRONMENTAL SPECIFICATION

|                              |  |
|------------------------------|--|
| <b>Operating Temperature</b> | -40°C to +85°C                             |
| <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>Attachment</b>            | Adhesive, Magnets                          |
| <b>Sealing</b>               | IP 68                                      |

## RFID PERFORMANCE

|                                   |   |
|-----------------------------------|---|
| <b>Working Frequency</b>          | 865 – 868 MHz (ETSI) / 902 – 928 MHz (FCC)          |
| <b>Standard Protocol</b>          | ISO/IEC 18000-6C, EPC Global C1 Gen2v2              |
| <b>Chip Type</b>                  | Alien Higgs-9, Impinj M700/800 series, UCODE 9 chip |
| <b>EPC Memory</b>                 | Chip Dependent                                      |
| <b>TID Memory</b>                 | Chip Dependent                                      |
| <b>Read Range Fixed Reader</b>    | Up to 8m (Reader & Chip Dependent)                  |
| <b>Read Range Handheld Reader</b> | Up to 4m (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.NL.01.BL (Blank) |
|-----------------|---------------------------|

## APPLICATION AREA



Hospitals



Warehouse



Automotive



Industrial Applications



ID TECH SOLUTIONS PVT. LTD.

610, Udyog Vihar Phase-5, Gurgaon, Haryana - 122016, INDIA | T. : +91-124 - 4255530 (6 Lines)  
E.: info@idsolutionsindia.com | W: www.idsolutionsindia.com



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