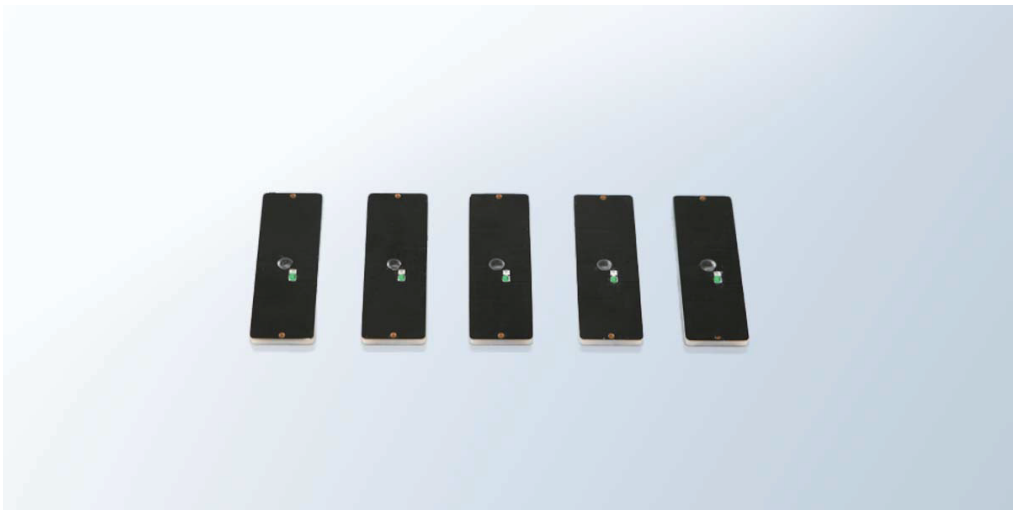
On-Metal LED UHF Tag

AZP-K5XBL-OM3M-6020

UHF On-Metal | ISO/IEC 18000-6C | EPC Glass1 Gen2 | 60X20 mm | LED



Key Features

Frequency Band
902-928 MHz

International Standard
ISO/IEC 18000-6C, EPC Class1 Gen2

User memory
1312 bits

EPC memory
96-240 bits

Reading Range
Up to 300 cm

1. Product Overview

The on metal LED UHF tag, renowned for its anti-metal properties and resistance to extreme temperatures, liquids, and damage, is widely used in manufacturing logistics for containers, shelves, equipment, and more. It also offer security, authentication, and traceability solutions for transportation logistics.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZP-K5XBL-OM3M-6020
Tag Size	60*20*3 mm
Antenna Type	Copper Antenna
Material	PCB
Printing	NA
Characters	On Metal Use, LED, 3M467 Adhesive

2.2 Electrical Characteristics

Operating Frequency	902-928 MHz
Communication Protocol	ISO / IEC 18000-6C, EPC Class1 Gen2
Reading Range	Up to 300 cm
Applicable Surface	On metal
Data EEPROM Retention	10 years

2.3 Chip Characteristics

EPC Memory	Up to 240 Bits
TID Memory	Up to 192 Bits
Reserve Memory	64 Bits
User Memory	1312 Bits
Sensitivity	-23.5 dBm
Anti-collision	Yes

2.4 Additional Information

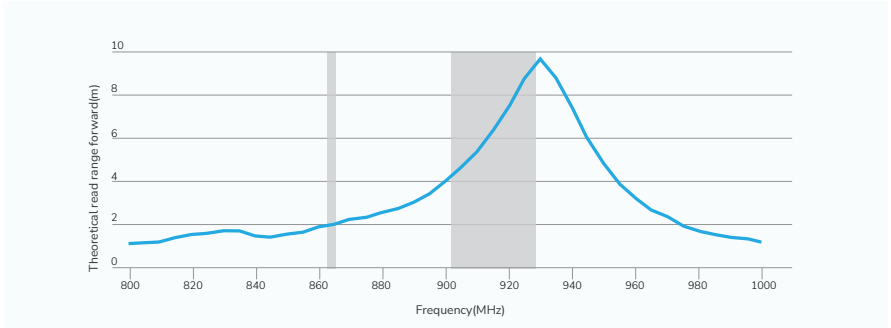
Storage Environment	0℃ - 25℃, 10%-95% RH
Operating Environment	-35℃ - 85℃, 10%-95% RH

2.5 Packaging

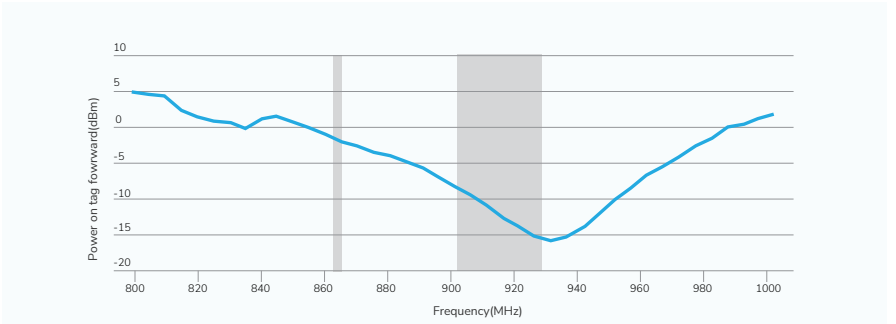
Packing Format	Single Shipment
ESD Limited Voltage	2 KV
Packing Quantity	500 pcs/carton

3. Testing Graphs

3.1 Reading range under different frequency



3.2 Tag power under different frequency



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