



Oscilent Corporation

# PRODUCT SPECIFICATION

REV O Sept 01 2016

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
1015-3030-F463306	RFID Tags Marble 30x30x3 High Temp Plastic



## Contents

- o Physical Specifications and Read Range
- o Radiation Pattern
- o Environmental Specifications
- o Functional Specifications

## Applications

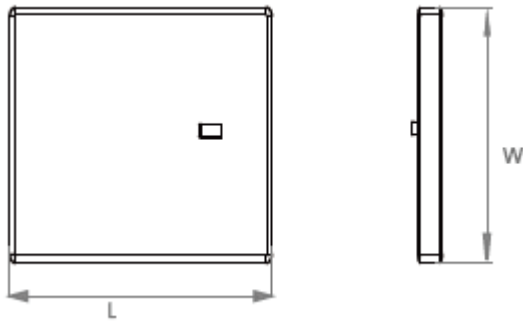
- o IT Assets
- o Tool Tracking
- o Other Metal Products



Oscilent Corporation  
Telephone: 1.949.252.0522  
Fax: 1.949.252.0599  
Email: sales@oscilent.com

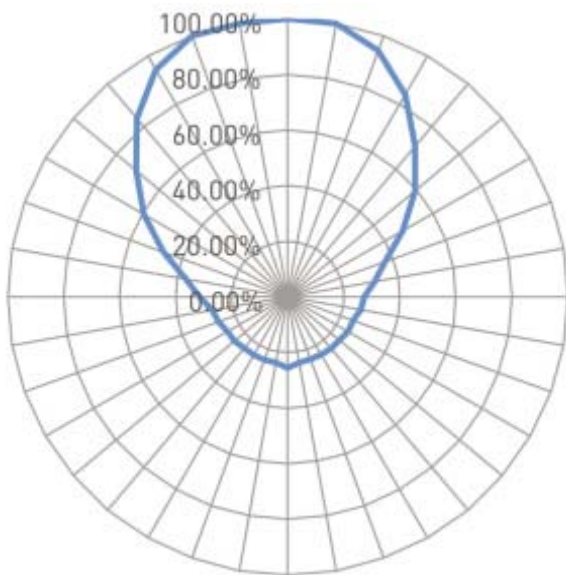


### Physical Specifications and Read Range

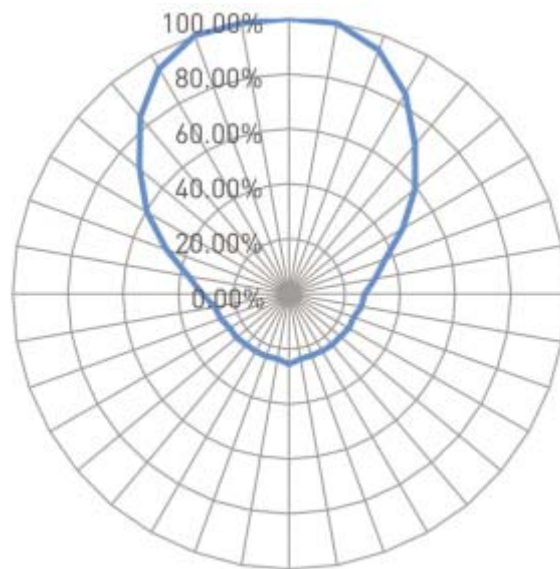


Marble	
Size LxWxH (mm)	46x33.8x6.5
Weight	17.0
Avg Read Range on Metal, 4W EIRP (m)	12.0
Avg Read Range in Metal, 4W EIRP (m)	6.0
Encasing	High Temp Plastic

### Radiation Pattern



On Metal



In Metal

**Environmental Specifications**

Parameters Description	Unit
Application Temperature	°C -40 ~ +250
IP Rate	IP68
Attachment Warranty	Adhesive 1 Year

**Functional Specifications**

Parameters Description	
Protocol	EPC C1G2 (ISO 18000-6C)
Operating Frequency	902~928 MHz (US) : 866~868 MHz (EU)
IC Type	Alien H3
Memory	512-bit user memory; 64-bit TID; 96-bit EPC
Read Rate	400 tags per second for 96-EPC bit number
Write Cycles	100,000 at 25°C
Data Retention	50 years