Overview:

UHF PCB LED tags have excellent read and write performance in metal planes or slots, and the installation of light-emitting LEDs can locate objects more quickly.
It is suitable for metal shelves, trays, and metal objects. It can be customized according to the size of metal products, from ultra-miniature to large size.

Product Specification:

Product Number		RF-MD0XYG7020XBLGA-5
Tag Dimension		70×20×3.0mm
Frequency		860~960MHz
Materials		PCB
Chip		Kiloway KX2005XBL
LED Color		Green
Protocol		ISO/IEC 18000-6C
Memory	**TID**	96bit
	EPC	160bit
	User	1312bit
	Access	32bit
	Kill	32bit
Operation Temperature		-40℃~85℃
Storage Temperature		-45℃~85℃
Data Retention		OTP, > 10years
Shipping Form		Single package

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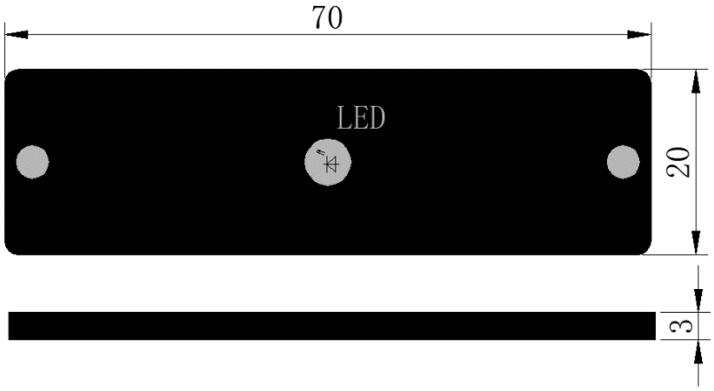
Reference Picture:

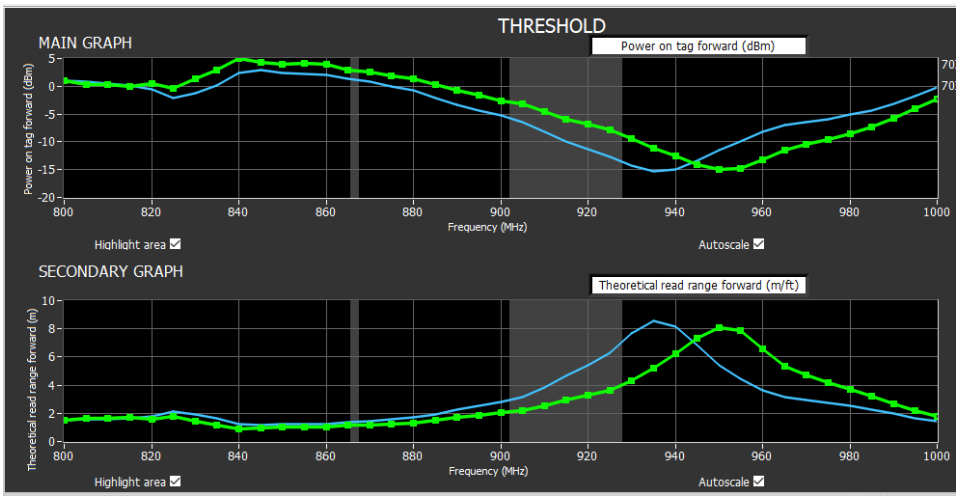


Mark	Dimensions (mm)
L	70±0.5
W	20±0.5
T	3.0±0.2

Reliability Test:

No.	Project	Description
1	Water resistance	Place underwater for 168 hours
2	High temperature and humidity	85℃-85%RH/168 hours
3	Temperature cycle	-40℃ (30min) ~ 125℃ (30min) / 20 cycles
4	Temperature and humidity cycle	(20℃) ~ (-10℃) ~ (50℃/90%RH) ~ (20℃) (15min) (30min) (15min) /10 cycles
5	Vibration test	Vibration frequency 50Hz amplitude 1mm acceleration 50m/s2 15min XYZ3 direction
6	Fall	Dropped on the concrete floor 6 times/unit at a height of 1.5m

Performance Test:



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