

KATHREIN

WRA 6060 RAIN RFID Wide Range Antenna, 865-868MHz, 4.5dBic, RHCP

The UHF RFID antenna WRA-6060 is in fact the smart-shelf SMSH antenna transferred to an IP67-protected housing. It is a perfect solution for applications in the read range up to 5m, where the narrow selective reception zone is needed.

The RAIN RFID antenna Kathrein WRA-6060 offers an extremely homogeneous reading range, which is made possible by the high front-to-back ratio. It is therefore suitable for static detection of multiple transponders. Due to its slim design, the antenna can be integrated into various applications.



Features of the Kathrein WRA-6060 RAIN RFID antenna

- Kathrein smart-shelf technology in a robust housing
- For applications in radiated near field, suitable for static tag identification
- Thin design
- Read range up to 5 m
- Very homogenous reading field
- Extremely high front-to-back ratio



Technical Description

Functionality & Operation

Reading/writing distance	5m
Connectors	TNC Female
Polarization	RHCP
Frequency	UHF: 865 - 868 MHz (EU)

Electrical

Axial ratio	1dB
Front to back ratio	19dB
Beam width	60°
Return loss (VSWR)	1.2:1
Gain	5.5dBi
Nominal impedance	50Ohm

Mechanical

Dimensions	Width: 300mm, Height: 300mm Length: 48mm
Color	light grey
Weight	1.7kg
Body housing	aluminium, metal, weather-resistant polymer blend

Environment

Operating temperature	-40 to 70°C
Storage temperature	-40 to 85°C
Ingress protection	IP67

Others

Certifications	CE, REACH, RoHS
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