

> Features

- 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

The WRA 6060 antenna has been developed for applications in the area of point of sale, smart shelf applications and Kanban solutions. The antenna is characterised by an extremely homogeneous read zone which is emitted by the high front-to-back ratio. Therefore, it is suitable for static detection of multiple transponders. Due to its thin design, the antenna can be integrated into different applications.



> General Specifications

Order No.		52010423	52010424
Type		WRA 6060 Antenna Unit	WRA 6060 Antenna Unit
Frequency range	[MHz]	865–868	902–928
©KRAI		–	–
LED visualisation		–	–
Polarisation, circular			RHCP*
Antenna gain	[dBiC]	typ. 5.5 (at 866 MHz)	typ. 5.5 (at 915 MHz)
Axial ratio	[dB]		typ. 1
VSWR			typ. 1.2:1
Front-to-back ratio	[dB]		> 19
Impedance	[Ohm]		50
Max. input power	[dBm]		+30 (at antenna port) (FCC15.247)
Max. radiated power	[dBm]	+33 ERP (ETSI EN 302 208)	+32.5 EIRP (FCC15.247)
Far-field half-power beam width	[°]		60
Connection			TNC female
Weight	[kg]		1.7
Degree of protection			IP67
Operating temperature range	[°C]		–40 to +70
Storage temperature range	[°C]		–40 to +85
Dimensions (L x W x H)	[mm]		300 x 300 x 49
Package size (L x W x H)	[mm]		approx. 350 x 350 x 80
Material			
	Antenna cover	tough, weather-resistant polymer blend, colour: RAL7035	
	Chassis	aluminium, powder coated	
	Seals	thermoplastic elastomer	

* right-hand circular polarisation

> Key Applications

- Logistics
- Vehicle registration
- Bulk and single-tag applications
- Point of sale

> Mounting



NOTICE

Risk of damage to property!

- ▶ Make sure that the screw is only screwed in max. 10 mm deep into the housing ($M_{max} = 5 \text{ Nm}$).

- Four M6 drill holes at intervals of 100 x 100 mm

> Accessories (Optional)

You can find all accessories at <http://www.kathrein-solutions.com/products/hardware/accessories>.

> Dimensions

