

> Features

- Compact design for ruggedized environmental applications
- Low axial ratio for optimum performance
- Read range*: up to 18 m (* depending on tag properties, environment and requirements)
- Ideal solution for portal applications
- Different far field half-power beam widths in azimuth and elevation plane
- Suitable for bulk and single tag applications
- High IP67 degree of protection, suitable for outdoor use



> General specifications

Order No.		52010086	52010087
Type		WIRA-30-circular-ETSI	WIRA-30-circular-FCC
Frequency range	[MHz]	865-868 (865-867 for India)	902-928
©KRAI		-	
Polarization		circular	circular
Antenna gain	[dBiC]	typ. 11.5	typ. 11
Axial ratio	[dB]	< 2	
VSWR		typ. 1.2:1	< 1.3:1
Front-to-back ratio	[dB]	> 20	
Impedance antennaport	[Ohm]	50	
Max. radiated power	[dBm]	+33 e.r.p. (ETSI EN 302 208)	+36 EIRP (FCC15.247)
Far field half-power beam width (if mounted like picture)	[°]	30 vertical 70 horizontal	
Connection		N female	
Weight	[kg]	3.7	
Degree of protection		IP67	
Operating temperature range	[°C]	-40 to +70	
Storage temperature range	[°C]	-40 to +85	
Dimensions (L x W x H) (without brackets)	[mm]	557 x 270 x 58.5	
Packing size (L x W x H)	[mm]	762 x 356 x 203	
Material			
Antenna cover		fibreglass radome, UV resistance, gray	
Chassis		stainless steel	
Patch plate		brass tin-plated	
Antenna support		aluminium	
Seals		thermoplastic elastomer	

> Remarks

Accessories optional

- All accessories can be found at: <https://http://www.kathrein-solutions.com/products/hardware/accessories>

➤ **Dimensions [mm]**

