

Wide Range RFID UHF Antenna

WiRa 30° ETSI

Order-No. 52010086

KATHREIN
RFID

- Features:**
- Compact design for ruggedized environmental applications
 - Low axial ratio for optimum performance
 - Read range *: up to 10 m
 - 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 IP 65 degree of protection
 - Suitable for outdoor use

* depending on tag properties, environment and requirements



Order-No.		52010086
Frequency range	MHz	865-870
Polarization		circular
Antenna gain	dBiC	typ. 11
Axial ratio	dB	< 2
VSWR		< 1.2:1
Impedance	Ω	50
Front-to-back ratio	dB	> 20
max. radiated power (ETSI EN 302 208)	dBm	+33 ERP
Far field half-power beam width (if mounted like picture)	°	30 vertical 70 horizontal
Connection		N female
Operating temperature range	°C	-20 to +55
Storage temperature range	°C	-40 to +85
Degree of protection		IP 65
Weight	kg	3.7
Dimensions (without brackets)	mm	557 x 262 x 59
Packing size	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

- Mounting:**
- The mounting kit (Order-No. 52010005) is available as accessory



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Mechanical view and dimensions in mm:

