KATHREIN

Features

- Antenna module with protective housing and ©KRAI
- For applications in radiated near-field, suitable for static tag identifications
- Extremely thin design
- Read range: 3 m
- Very homogeneous reading field
- Extremely high front-to-back ratio
- Cascadable up to 8 antennas SMSH-30-30-KRAI-ETSI per reader port
- Cascadability possible only with ©KRAI Reader, Single antenna only useable with ©KRAI Reader

Quality made in Germany

RAIN RFID

General specifications

Order No.		52010259
Type		SMSH-HighGain-30-30-KRAI-ETSI
Frequency range	[MHz]	865-868
©KRAI		cascading
Protection cover		✔
Polarization		circular
Antenna gain	[dBiC]	typ. 4.5
Axial ratio	[dB]	typ. 1
Impedance	[Ohm]	50
VSWR		typ. 1.3:1
Front-to-back ratio	[dB]	> 20
max. input power (ETSI EN 302 208)	[dBm]	+33
Far field half-power beam width	[°]	60 / 60
Connection		input: SMS female output: SMA female
Weight	[kg]	1.0
Degree of protection		indoor use only
Operating temperature range	[°C]	-20 to +55
Storage temperature range	[°C]	-40 to +85
Dimensions (L x W x H)	[mm]	330 x 340 x 20
Packing size (L x W x H)	[mm]	345 x 350 x 35
Material		fibreglass-epoxy resin; thermoplastic radome, UV resistant

Remarks

Mounting options

- 10 through-holes Ø 4.5 mm for M4 screws to mount on wall/ceiling

Accessories optional

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

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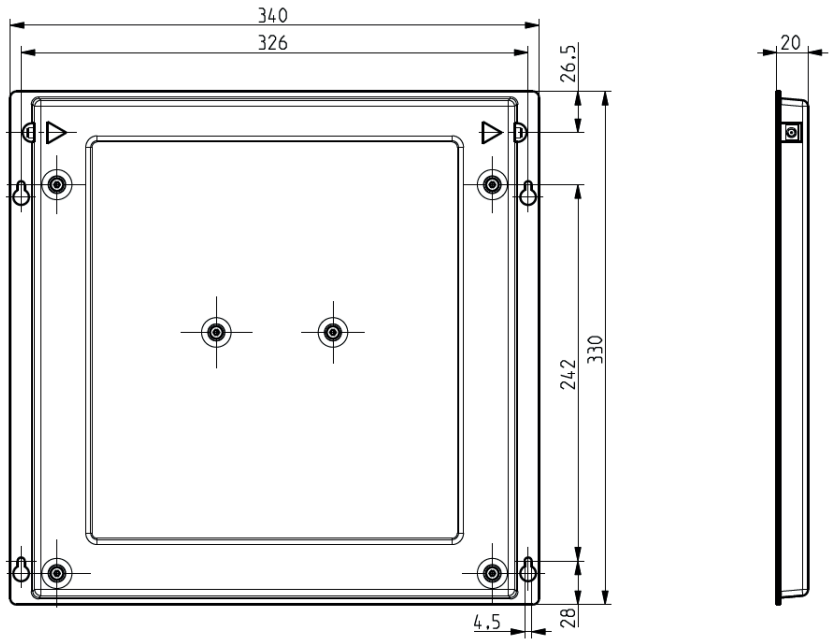
Dimensions [mm]



Description

The SMSH-30-30-KRAI-ETSI antenna was developed for applications in the field of point of sale, smart shelf applications and Kanban solutions. The antenna is characterized 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 their extremely thin design, the antenna module can be integrated into different applications universal.
The antenna is equipped with an intelligent bypass circuit that allows for cascading up to 8 SMSH modules per reader port. The control is done by a suitable © KRAI Kathrein RFID reader, the © KRAI control signals are transmitted via the standard antenna cable.

Key Application

- Point-of-sales applications
- Smart shelfs applications
- Kanban applications
- Conveyor belt applications

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