



## FlexiRay™ SF

### Ultra Slim RFID UHF Antenna

#### Key Features

- Esthetic design suitable to entrances or passages
- Modular antenna length
- Low mounting depth
- Unique radiation pattern

Modular ultra-slim planar antenna **FlexiRay™ SF** with unique radiation pattern enabling creation of RFID reading zones in entrances or doors. The antenna allows completely invisible installation into door-frame for installation of RFID gateways in interiors. It is supplied in various lengths from 110 to 1025 mm, thus allowing optimal adaptation to specific installation. The antenna thickness is only 2 mm.

Antenna **FlexiRay™ SF** provides flexible mounting capability by using glue or screws. Antenna has circular polarization and is also available for FCC and ETSI frequencies. Antenna is equipped with SMA connector.

Antenna with gain 0 dBi was designed **for short range applications requiring reading characteristics along the whole antenna length**. Using max. EIRP 2W it can achieve reading distance from 2 to 4 metres, depending on the type of antenna, used reader, cable length, used RFID tags and environment.



RFID UHF Antenna

FlexiRay™ SF

Model Number (FCC)	SF1101	SF 1201	SF 1301	SF 1401	SF 1501
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Frequency Range	902 - 928 MHz (FCC)				
Polarization	circular				
Gain	0 dBi				
Impedance	50 Ohms				
VSWR	< 1,5 : 1	< 2 : 1	< 2 : 1	< 2 : 1	< 2 : 1
Max. Input Power	10 W				
H - Plane Beamwidth	80°	50°	40°	32°	25°
E - Plane Beamwidth	80°	110°	100°	95°	95°

Dimensions *	SF1101	SF 1201	SF 1301	SF 1401	SF 1501
Length *	110 mm	410 mm	615 mm	820 mm	1025 mm
Width	100 mm	100 mm	100 mm	100 mm	100 mm
Height	2 mm	2 mm	2 mm	2 mm	2 mm
Weight	0,1 kg	0,2 kg	0,3 kg	0,4 kg	0,5 kg
Operating Temperature	0°C to +60°C				

Ordering Code - FCC (902 - 928 MHz)	SF1101	SF1201	SF1301	SF1401	SF1501
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\* Length dimensions without connector, connector length is 10 mm

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