



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 155 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	SF 1100	SF 1200	SF 1300	SF 1400	SF 1500
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Frequency Range	866 - 868 MHz (ETSI)				
Polarization	circular				
Gain	0 dBi				
Impedance	50 Ohms				
VSWR	< 1,2 : 1	< 1,7 : 1	< 1,2 : 1	< 1,2 : 1	< 1,7 : 1
Max. Input Power	10 W				
H - Plane Beamwidth	80°	50°	40°	32°	25°
E - Plane Beamwidth	80°	110°	100°	95°	95°

Dimensions *	SF 1100	SF 1200	SF 1300	SF 1400	SF 1500
Length *	155 mm	410 mm	680 mm	860 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 - ETSI (866 - 868 MHz)	SF1100	SF1200	SF1300	SF1400	SF1500
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* Length dimensions without connector, connector length is 10 mm

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