

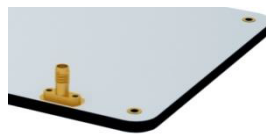


Product overview

Advantenna-p13 is a compact RFID UHF antenna with circular polarization and a radiation pattern characterized by a 40° beam width in the endfire direction and a 90° beam width in the broadside direction. This radiation pattern makes this antenna ideal for many RFID applications such as:

- Loss prevention systems
- Portals, tunnels
- Corridors
- Doors

Connector options



Flange straight



Flange right angle



Edge mount

Benefits:

- Narrow beam in the endfire direction
- Wide beam in the broadside direction
- High gain
- Very thin form factor
- Cost effective

Applications:

- Loss prevention systems
- Portals
- Doors and corridors
- Tunnels

Specifications

Operating Frequency EU Version	865 - 868 MHz (ETSI EN 302 208)
Operating Frequency US Version	902 - 928 MHz (FCC part 15)
Operating Detection distance	Up to 4.0 m
Radiation pattern	Fan beam
Gain	6.8 dBi (EU version), 6.9 dBi (US version)
Beam width	40° / 90°
Sidelobe level	< -15 dB
Polarization	Circular
Input Impedance	50 Ω
Connector	SMA or MCX Flange, flange right angle, or edge mount In case of edge mount can be mounted on the long side or on the short side of the antenna
Temperature range	-20°C to +130°C
Size excluding connector	417 mm x 137 mm x 3.3 mm 16.3 inches x 5.4 inches x 0.13 inches
Size with edge mount connector	417 mm x 137 mm x 8 mm 16.3 inches x 5.4 inches x 0.3 inches
Size with flange mount connector	417 mm x 137 mm x 15 mm 16.3 inches x 5.4 inches x 0.6 inches
Antenna weight	350 g

Radiation pattern

