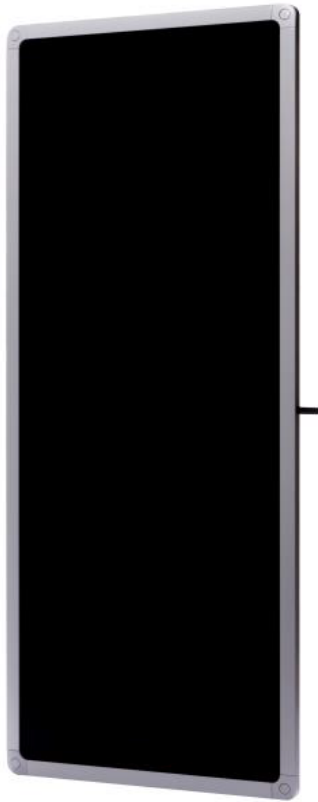




CIRCULAR POLARIZED UHF ANTENNA

R9029-XL-12SSF



The R9029-XL is an ultra-low profile high performance circular polarized flat panel antenna. With a read range of up to 9m / 29ft. and a physical span of 747mm (29.4 in.), this long length antenna is particularly suitable for portal applications where maximum read zone coverage is important.

Specifications

Physical / Environmental Specifications

Dimensions (LxWxD):	747 mm x 314 mm x 12 mm 29.4 in. x 12.4 in. x 0.5 in.
Weight:	2.2kg / 4.8 lbs.
Radome Material:	Fire retardant Kydex
Environmental Rating:	IP65
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Mounting:	Integrated mounting holes / no accessory req.
Connector type / position:	SMA female side fly lead (300mm / 1ft)

Electrical Specifications

Frequency Range:	865 – 867 MHz / 902 – 928 MHz
Polarisation:	Circular
Far-field Gain:	9dBic
Far-field 3dB beamwidth:	25° in vertical, 81° in horizontal
Typical VSWR across frequency range:	< 1.4:1
Front to back ratio:	25dB
Axial Ratio:	<2dB at boresight
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

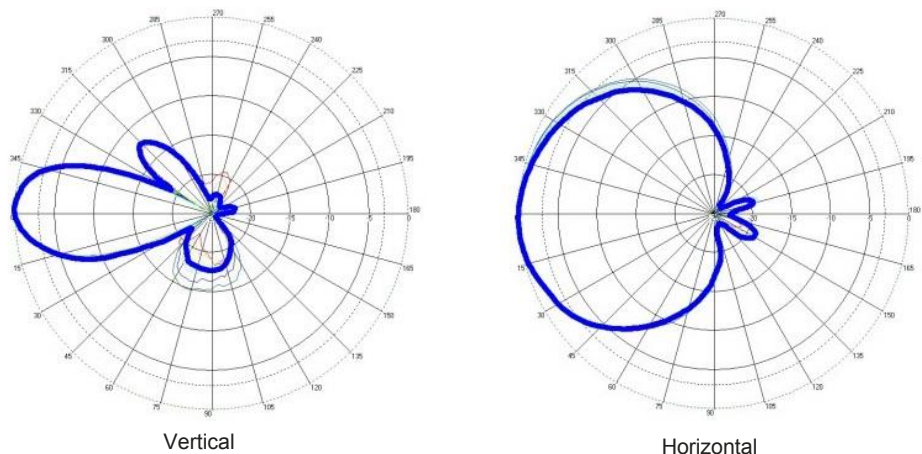
Up to 9m / 29 ft. read range

Just 12mm / 0.5 in. thick

High performance & rugged design

Suitable for indoor/outdoor use
& industrial applications

E-field elevation & Azimuth Patterns



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Applications

- High performance RFID applications where long / highly accurate read zones are required
- Space constrained / Customer facing environments
- All-weather rugged design suitable for industrial applications