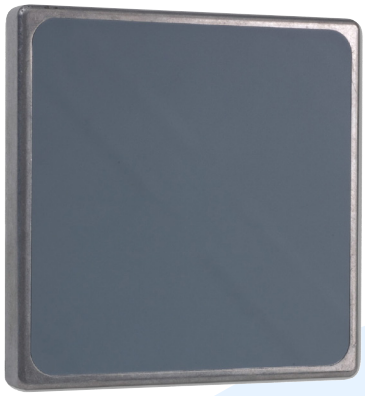
Metal CP RFID Panel Antenna
S8656XR



865-870 MHz FORKLIFT MOUNT 6dBic CP RFID PANEL ANTENNA

The RFMAX S8656XR antenna gives RFID users an antenna that meets all of the criteria requirements for forklift RFID applications. At only 7.6 x 7.6 x .95", the antenna is small enough to accommodate a wide variety of forklift applications. The antenna provides 6dBi of gain in the 865-870 MHz band.

The antenna material construction is unique in that it is an all metal antenna. No exterior radome enclosure is required to protect critical components. The result is an antenna that is extremely robust and resistant to damage.

The antenna can be mounted directly to the forklift allowing for a view directly into any pallet. Two antennas can be mounted side-by-side on a custom configured mounting platform if that is desirable.

The antenna is provided with a plastic front panel that is secured with adhesive for the purposes of providing a surface that can be used for branding or for any other graphical element that the customer might desire.

FEATURES

- Low profile
- Extremely low VSWR
- Wide band
- Weather resistant radome
- Wide range of connector options

APPLICATIONS

- Direct forklift mount
- Warehouse
- Distribution center
- Airports and hospitals
- Transit terminals
- Conveyor belt

RFMAX
www.rfmax.us

Distributed internationally by:
Arcadian, Inc.
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Little Falls, New Jersey, 07424 USA

888.925.5967 toll-free
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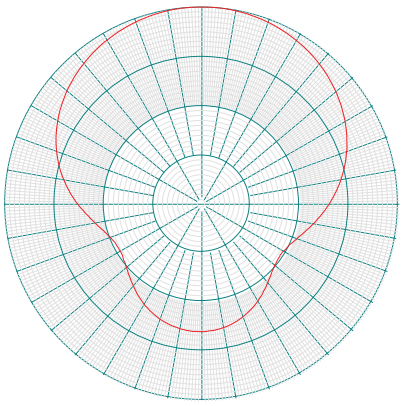
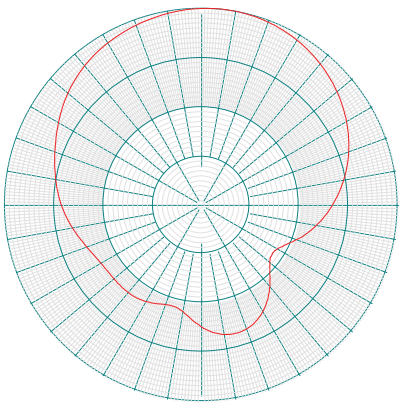
RoHS Compliant

SPECIFICATIONS

Antenna Part Number	S8656XR
Frequency Range	865–870 MHz
Gain	6 dBic
Maximum VSWR	1.5:1
3 dB Beamwidth - Azimuth	80°
Front-to-Back Ratio	8 dB
Polarization	Circular right-hand
Maximum Input Power	4 Watts
Input Impedance	50 Ohms
Axial Ratio	3 dB Typical
Weight (Kg)	2.6 lbs (1.2)
Mechanical Size	7.59 x 7.59 x .95"
Antenna Connection	Right angle Type N Female Other configurations available by request
Radome	Aluminum w/ minimal Polycarbonate
Mount Style	Chassis mount
Temperature Operational	-30°C to +70°C
Lightning Protection	DC grounded
Water/Foreign Body Ingress	IP67



Right-hand circularly polarized
linear azimuth plot



Right-hand circularly polarized
linear elevation plot

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