**865-870 MHz FORKLIFT MOUNT 6dBi CP RFID PANEL ANTENNA**

The Laird Technologies' S8656X 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 and cable options
- Left hand and right hand CP versions

APPLICATIONS

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

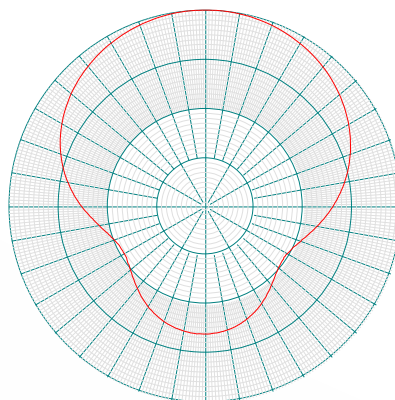
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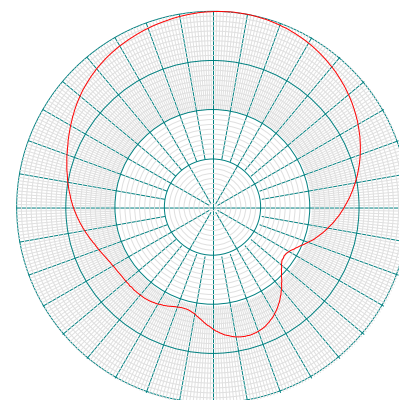
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Right-hand circularly polarized linear azimuth plot



Right-hand circularly polarized linear elevation plot

SPECIFICATIONS

Antenna Part Number	S8656X
Frequency Range	865 - 870 MHz
Gain	6 dBic
Maxium VSWR	1.5:1
3 dB Beamwidth - Azimuth	80°
Front to Back Ratio	8 dB
Polarization	Circular Right-hand
Maxium Input Power	4 Watts
Input Impedence	50 Ohms
Axial Ratio	3 dB Typical
Weight (Kg)	2.6 lbs (.37)
Mechanical Size	7.59" x 7.59" x .95"
Antenna Connection	Right Angle Type N Male
Radome	Aluminum / Grey UV Polycarbondate
Mount Style	Chassis mount
Temperature Operational	-25°C to +70°C
Lightning Protection	DC Grounded

ANT-DS-S8656X 0409

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