

## **BCT-1020 Circular Polarised UHF RFID Antenna**

BCT-1020 is a rugged high performance circular polarised antenna with 13dBi of gain, packed in a compact low profile polycarbonate covering with plenum rating and fire resistant properties, the antenna is designed aesthetically for industrial and commercial purpose usage, it can withstand under critical to harsh environmental conditions with an IP rating 68.



BCT-1020 is an industry leading ultra-low profile design in a compact UHF RFID antenna size 250 mm x 250mm x 20mm square footprint. Rugged IP67 rated for permanent outdoor use and built to high standard for quality and robustness, the circularly polarized is a high performance circular polarised antenna offers high level of performance and durability in an aesthetically superior form.

Proven in a diverse & growing range of markets applications include retail & customer interaction, conferences & people tracking, race timing, baggage handling and logistic & supply chain asset management.

## Barcode & RFID tracking software solutions and barcode products & support

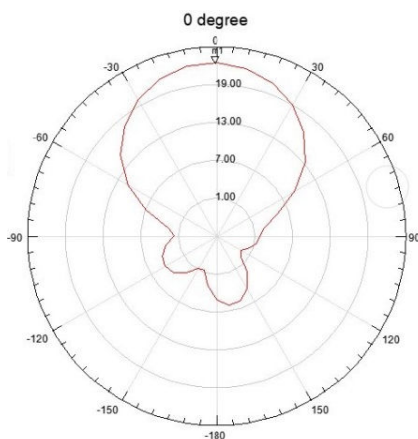
### Physical/Environmental Specifications:

<u>Parameters</u>	<u>Specifications</u>
Size/Dimensions (L x W x D)	250mm x 250mm x 20mm (10" x 10" x 0.8") inches
Environmental Rating	IP 68
Operating and Storage Temperature	(-25°C to 70°C) (-13°F to 158°F)
Mounting	Flush or Vesa Mount - BCT-1020-VESA
Connector Type	SMA Female Type connector

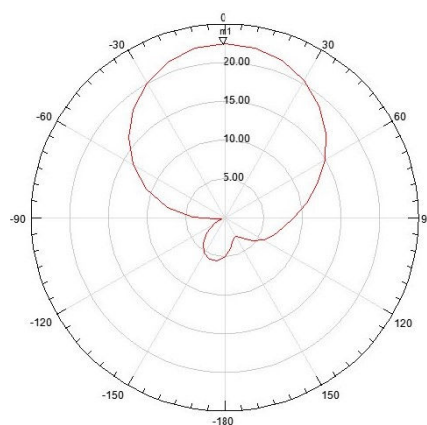
### Electrical/ RF Characteristics:

<u>Parameters</u>	<u>Specifications</u>
Frequency Range	Global (860-930) MHz ETSI/FCC/Worldwide
Polarization	CP (Circular Polarised)
Far Field Gain	9dBiC
VSWR	1.3 Typical
Front to Back ratio	-20 dB
Beam width at 3db	70 degrees
Max. Power Input	3 Watt

## Radiation Pattern

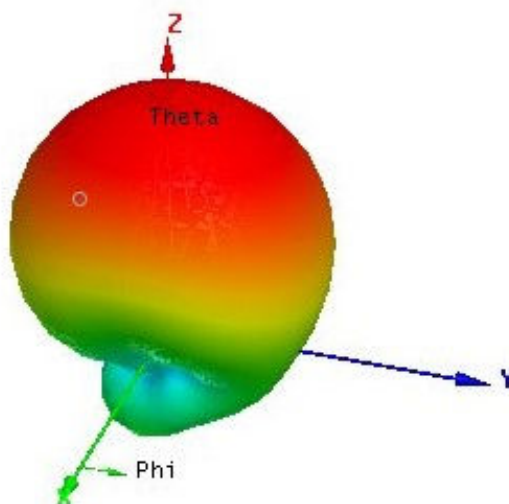


Y-Z Plane



X-Z Plane

## 3D Field Radiation



<u>Model/ Part Number</u>	<u>Mounting Option</u>
BCT-1020-VESA BCT-1020-FLUSH	Vesa Mount version with <b>Studded 100mm</b> Flush version with <b>Studded 100mm</b>

BCT-1020 Circular Polarised UHF RFID Antenna is designed to support either flush or VESA mount. To accommodate both approaches, versions with either flush or studded backplates are supported.