



The SlimLine A6031

Up to 4 m / 13 ft. read range

Just 12 mm / 0.5 in. thick

Sleek & rugged design, with customer friendly aesthetics

Typical applications:
Retail, office, industry / any space
constrained or customer facing
environment

Part of the SlimLine range of multi-purpose antennas, the A6031 is an ultra-low profile circular polarized flat panel antenna for UHF RFID applications in customer facing or space conscious environments.

With a 4 m / 13 ft. read range, the A6031 is similar in size and weight to a Tablet PC and can easily blend into any office or retail environment.

Order Information

(please quote both product code & part no.)

Product Code	Band	Part No.
A6031	ETSI 865-868 MHz	70804
A6031	FCC 902-928 MHz	70810
Cable Accessories	Cable Type	Part No.
Cable 2 m, SMA to RPTNC	LMR 195 / 240 / 400	71436 / 71782 / 72042
Cable 4 m, SMA to RPTNC	LMR 240 / 400	71784 / 72043
Cable 6 m, SMA to RPTNC	LMR 240 / 400	71904 / 72044
Cable 8 m, SMA to RPTNC	LMR 240 / 400	71788 / 72045

Specifications

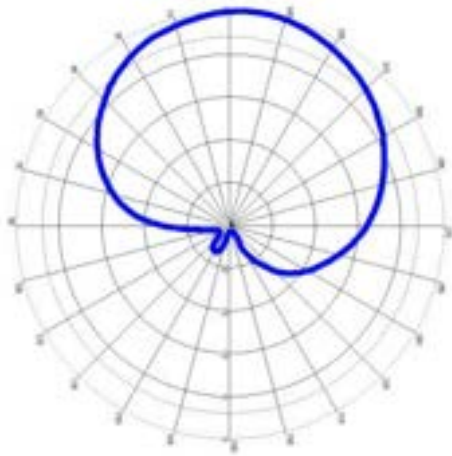
Physical / Environmental Specifications

Dimensions (L x W x D):	275 mm x 214 mm x 12 mm 10.8 " x 8.5 " x 0.5 "
Weight:	0.6 kg / 1.3 lbs.
Radome Material:	Fire retardant ABS
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 / Universal mounting brackets for rack (VESA) mounting available
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.)
Vibration:	IEC 68-2-6 (10 to 150 Hz, 0.5g, 1 hr. / 2 axes, Random Vibration)
Humidity:	IEC 68-2-30 (+25° to +55°C / +77° to +131°F / 24 hr. cycle of at least 90% relative humidity)
Cold Test:	IEC 68-2-1 (-40°C / -40°F / 24 hr.)
Heat Test:	IEC 68-2-2 (+70°C / +158°F / 24 hr.)
Temperature Shock Test:	IEC 68-2-1 (10 cycles of 30 mins. at -40°C / -40°F followed by 30 mins. at +70°C / +158°F and back)

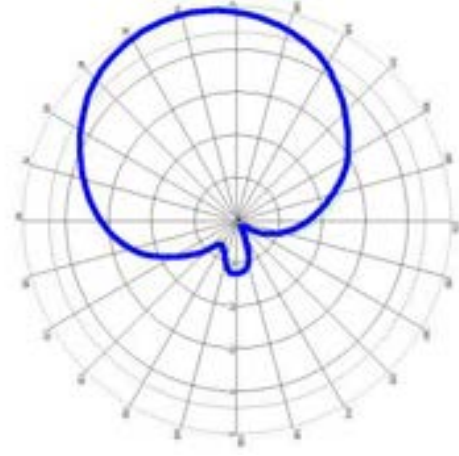
Electrical Specifications

Frequency Range:	865-868 MHz / 902-928 MHz
Polarization:	RHCP (Right Hand Circular Polarized)
Far-field Gain:	4 dBiC typical
Far-field 3dB beamwidth:	80° in both planes
VSWR	1.4 typical
Front to back ratio:	-18 dB
Axial ratio:	2 dB at boresight
Nominal Impedance:	50 Ω
Anti-static protection:	DC Grounded
Antenna Detection	10K Ω resistance
Maximum Input Power:	3 W

E-field Radiation Patterns



Vertical



Horizontal