



Product Description

The H2058-W is a high-performance helical antenna providing right-hand circular polarization (RHCP) across the 5.8 GHz band. It is designed for long-range, interference-resistant links, delivering stable gain and improved signal integrity in multipath environments. Circular polarization mitigates reflection-induced fading in dense RF conditions. The antenna features a rugged construction for reliable outdoor deployment. Available in standard white (H2058-W) or anti-static coated (H2058-ASP) finishes.

Product Features

- 5.8 GHz Operation with RHCP
- Helical design delivers stable gain, with circular polarization reducing multipath in reflective or dense RF environments
- Durable polycarbonate radome for environmental protection



General Specifications

Model Name	H2058-W
Part Number	99190502
Antenna Type	Helical Antenna
Radiation Pattern	Directional
Enclosure	Polycarbonate Radome
Color	White (RAL 9003)
Compliances	RoHS, REACH

Electrical Specifications

Frequency Range	MHz	5700-5850
Gain	dBic	15.0 @ 5850 MHz
Polarization		RHCP
VSWR	Max	1.5:1
Impedance	Ω	50
Max Input Power	W	25
Front/Back Ratio - Min.	dB	33
HPBW	$^{\circ}$	28 @ 5780 MHz

Mechanical Specifications

Length	in (mm)	12 (305)
Weight	lbs. (kg)	2 (0.9)
Ground Plane Diameter	in (mm)	5.5 (140)
Connector Type		N-Type (Female)
Number of Connectors		1

Environmental & Structural Specifications

Operating Temperature	$^{\circ}$ F ($^{\circ}$ C)	-40 to 158 (-40 to 70)
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Mounting Specifications

Mount Type		Mast or Wall Mounted
Mast OD	in (mm)	1.625 (41)

Model Variant

Model Name	H2058-ASP
Part Number	99190501
Variant Feature	Anti-Static Coating Finish