



OC24527

Vertically Polarized Omni Antenna 2400-2500 MHz/5150-5875 MHz

The wideband OC24527 antenna offers full-band coverage for 802.11b/a/g/n and includes all hardware required to mount indoors or outdoors. The antenna provides the “no compromise” performance expected from a single-band radio system in a dual-band radio. While many dual-band antennas are a compromise between the two operating bands, the Laird Connectivity OC24527 provides full-band coverage and omnidirectional coverage over both bands. With a design assisted by Laird Connectivity’s proprietary optimization tools, performance and value are unparalleled..

FEATURES AND BENEFITS

- Vertically polarized omnidirectional
- Rugged, lightweight, and water-resistant
- Compact size
- Full 802.11b/a/g/n wideband performance

APPLICATIONS

- Outdoor metropolitan mesh networks
- Enterprise WLAN networks
- Indoor/outdoor mast mounts
- High to medium density customer premise locations
- MIMO applications

ELECTRICAL SPECIFICATIONS

Model Name	OC24527	
Operating Frequency (MHz)	2400-2500	5150-5875
VSWR - Avg	2.0:1	
Gain (dBi)	4.5	7.5
Nominal Impedance (Ohms)	50	
Max Power - Ambient 25°C (W)	10	
Vertical Plane 3 dB Beamwidth	28°	15°
Horizontal Plane 3 dB Beamwidth	Omnidirectional	

MECHANICAL SPECIFICATIONS

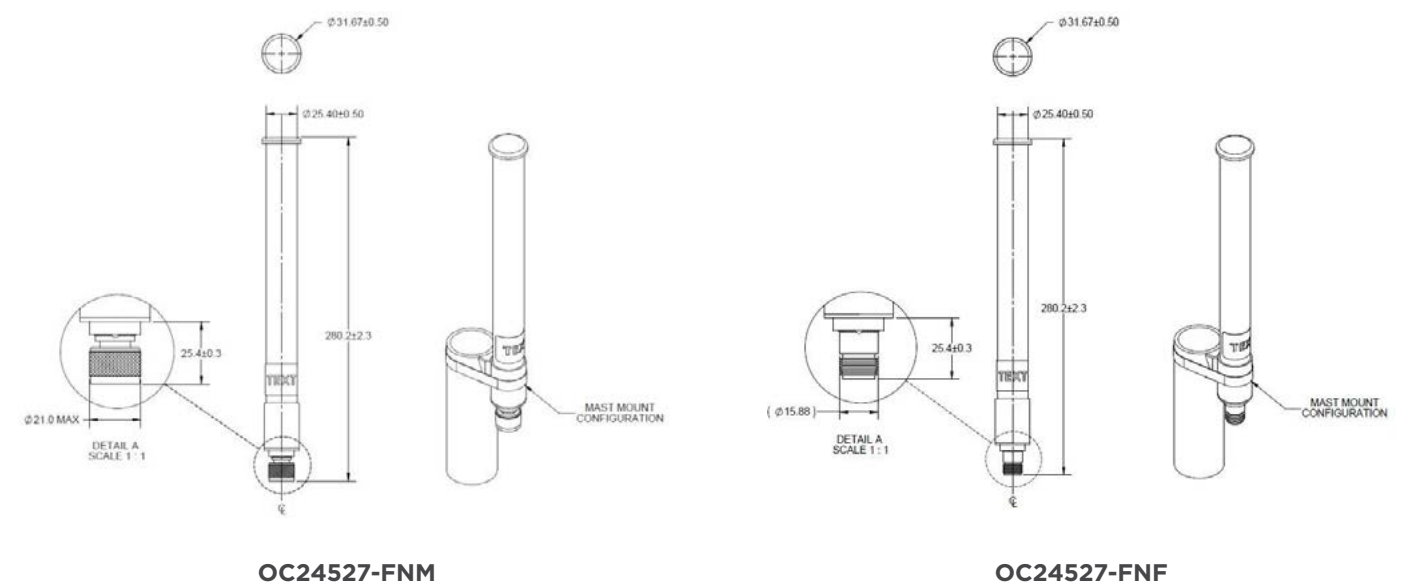
Dimensions - h x d - mm (inches)	280.2 x 25.4 (11.03 x 1.0)
Weight - kg (oz.)	0.15 kg (5.29) - without hardware kit
Mounting	Connector fixed or mast mount kit, upright and inverted orientation
Radome Material	Polycarbonate, UV, White
Ingress Protection Rating	IP67

ENVIRONMENTAL SPECIFICATIONS	
Operating Environment (Indoor or Outdoor)	Indoor/Outdoor
Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-40 to +85°C (-40 to +185°F)
Material Substance Compliance	RoHS

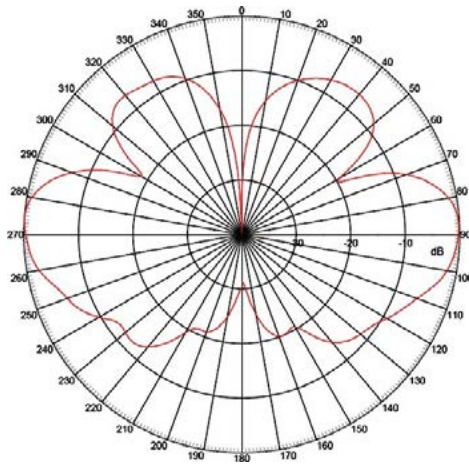
CONFIGURATION

PART NUMBER	CONNECTOR
OC24527-FNM	Type N, Male, Fixed, Tri-Metal
OC24527-FNF	Type N, Female, Fixed, Tri-Metal

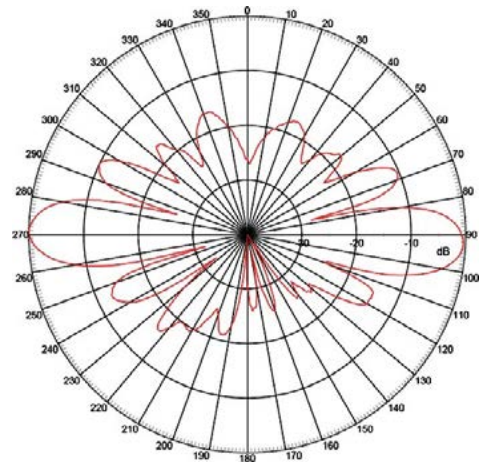
MECHANICAL DRAWING AND MOUNTING



RADIATION PATTERNS



2.45 GHz



5.55 GHz

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