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	

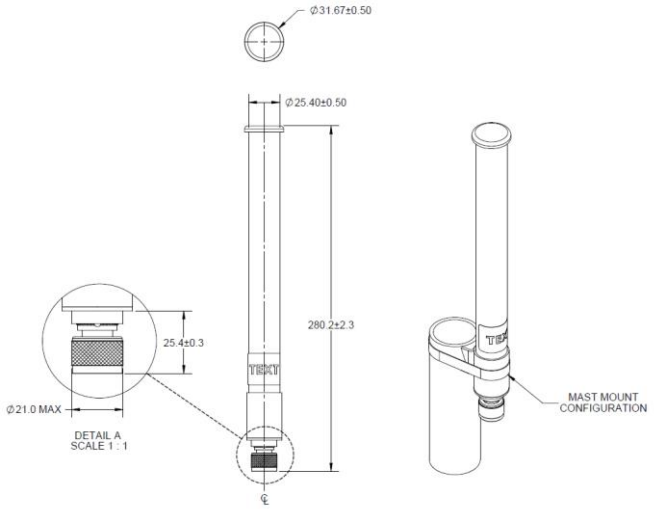
MECHANICAL SPECIFICATIONS	
Dimensions – h x d – mm (inches)	280.2 x 25.4 (11.03 x 1.0)
Weight – kg (oz.)	0.15 kg (5.29) – without hardware kit
Mounting	Connector fixed or mast mount kit, upright and inverted orientation
Radome Material	Polycarbonate, UV, White

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

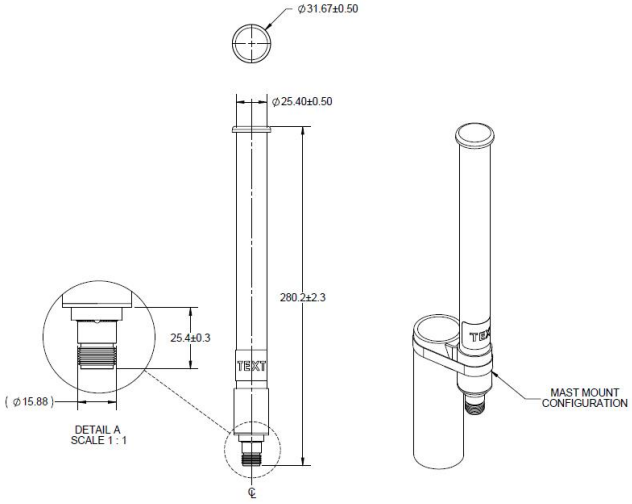
CONFIGURATION

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

MECHANICAL DRAWING AND MOUNTING



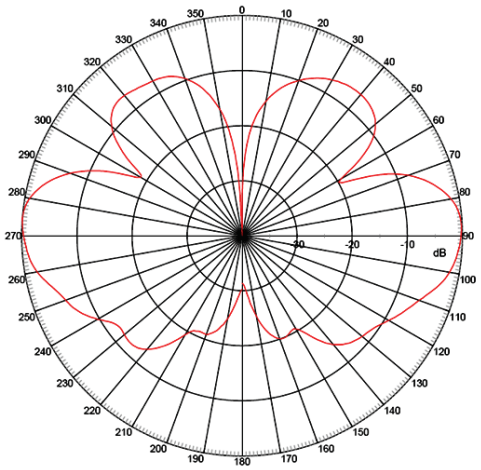
OC24527-FNM



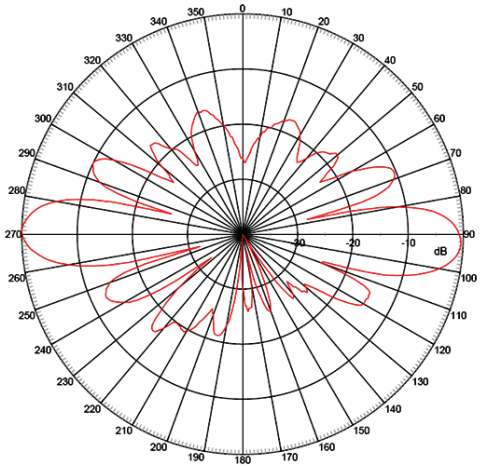
OC24527-FNF

RADIATION PATTERNS

2.45 GHz



5.55 GHz



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RoHS

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