

**MINI DIRECTIONAL ANTENNA, 2400 TO 2483 MHz OPERATION**

The 2.4 GHz mini directional antennas offered by Laird are a sub-compact antenna for the most demanding client applications. The antennas offer high gain in an ultra-small, aesthetically pleasing package. These are constructed of gray color UV ABS plastic with aluminum backplate and a stainless steel mounting bracket.

The antenna can be used in horizontal or vertical polarization by making a change to the bracket mounting. The stainless steel bracket affords +/- 15° tilt adjustment. The compact, low visual impact attractive styling blends well in almost any application. The antenna comes with an integral N female connector standard.

**FEATURES AND BENEFITS**

- 12 dBi gain in a mini directional antenna
- Rugged and weatherproof
- Ultra low wind loading and ultra low visual impact
- Vertical or horizontal polarization
- Type N female connector
- Stainless steel bracket and hardware

**APPLICATIONS**

- 2.4 GHz wireless LAN applications
- 802.11b/g client antennas
- WiMAX

**SPECIFICATIONS**

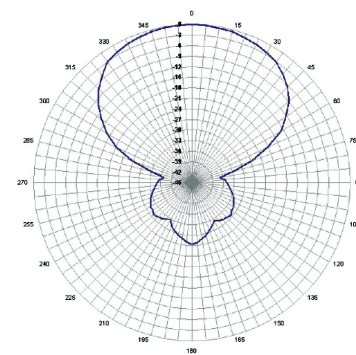
PARAMETER	
Frequency range	2400 to 2483 MHz
Gain	12 dBi
Horizontal beamwidth	65°
Vertical beamwidth	34°
Front-to-back	25 dB
Input return loss (S11)	-14 dB
VSWR	1.5:1
Impedance	50 ohm
Input power	100 W
Operating temperature	-40°C to +70°C
Pole size	1 to 1.66 in (25 mm to 39 mm)
Weight	13.5 oz (383 g)
Dimension (W x L x H)	4 x 4 x 4 in (102 x 102 x 102 mm)
Bracket tilt	15°

**SYSTEM ORDERING**

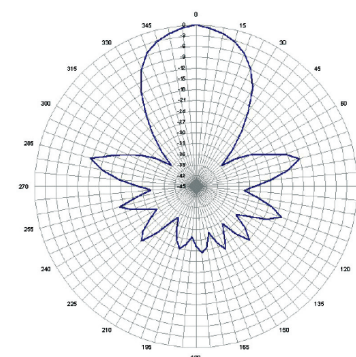
MD24-12 2.4 GHz 12 dBi Mini Directional Antenna

**ANTENNA PATTERNS**

**Horizontal plane 2400 MHz**



**Elevation plane 2400 MHz**



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