Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!


## Contact us

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Laird™

Smart Technology. Delivered.

# EXD
# Two-Way Radio Antenna

**EXD450**

Laird's in-building wireless antennas are particularly applicable in environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. Their surprisingly small size allow the antennas to be hidden almost anywhere, providing an invisible solution for most applications.

External antennas are weather resistant and waterproof high-gain anntenas that provide an excellent choice
for outdoor and indoor installation, and can be mounted on the outside of a housing.

Our antennas products are designed for maximum efficiency and are customizable and scalable to meet your frequency and application requirements. Contact Laird today for your complete application solutions!

## FEATURES

- Injection molded ¼ wave helical antenna
- High durability, high efficiency
- Textured finish with strain-relief base
- Available in various standard connectors

| PARAMETER | SPECIFICATION |
|---|---|
| Frequency Range | UHF |
| Nominal Impedance | 50 ohms |
| VSWR | 1.5:1 max at resonance |
| Polarization | Vertical |
| Temperature Range | -40°C to +85°C |
| Drop Test | 1M |

**FREQUENCIES AND CONNECTORS**

| PART# | FREQUENCY BAND | CONNECTORS | AVERAGE LENGTH |
|---|---|---|---|
| EXD400 | 400-420 MHz | BN, BNX, KR, MD, MX, MXI, SF, SFU, SM, SMI, SMV, TN & TNX | 3.4” - 3.8” |
| EXD410 | | SMV | |
| EXD420 | 420-450 MHz | BN, BNX, KR, MD, MX, SF, SFU, SM, SMV, TN & TNX | 3.3” – 3.59” |
| EXD450 | 450-470 MHz | BN, BNX, KR, MD, MX, MXI, SF, SM, SMI, SMV, TN & TNX | 2.95” – 3.88” |
| EXD470 | 470-512 MHz | BN, BNX, KR, MD, MX, MXI, SF, SFU, SM, SMI, SMV, TN & TNX | 2.8” – 3.6” |

The EXD model antenna is available in the above frequencies and connectors. Order by antenna model, frequency and connector.

For example: EXD450MX. Length of each antenna will vary according to the connector chosen. Specifications subject to change without notice.

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