



#### IP67 RATED WATERPROOF DIE-CAST ENCLOSURE

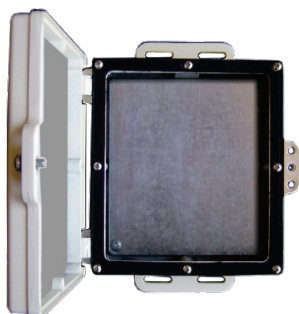
The DCE series die cast aluminum enclosures from Laird are designed for extremely long life in outdoor environments. The powder coat paint over aluminum construction offers unsurpassed resistance to corrosion. The pole mount hardware includes heavy galvanized pole clamps and stainless steel U bolts and attachment nuts. The die cast enclosure has extra heavy duty mounting flanges for reliable mounting to poles or surface mounting to walls. The most unique feature is the inclusion of 7 engineered hole knockouts which allow for many different configurations of connectors and feedthru's without the need for drilling holes. The knockouts are easily removed using a flat blade screwdriver and hammer. The enclosures have Qty 4 threaded ¼" tall standoffs in the base for mounting a user plate (included), which in turn can hold the users electronics. This configuration provides universal mounting which is fully customizable by the user.

#### FEATURES

- Die cast aluminum with white epoxy powder coat paint
- Qty 7 engineered hole knockouts for many possible configurations. No drilling required!
- Qty 4 0.25" tall threaded standoffs and mounting plate for mounting of electronics inside enclosure
- Pole mount or wall mount
- IP67 rated for long term weatherproofing
- Fits common WiFi radio boards

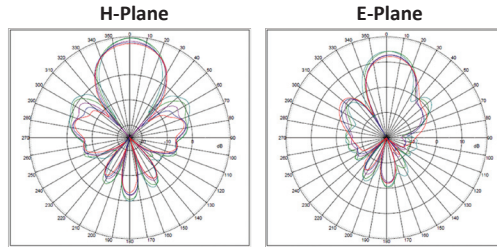
#### MARKETS

- Wireless base stations
- Wireless client radios
- Direct burial equipment
- Repeater systems
- 802.11 a/b/g wireless systems
- Fiber-optic junction box

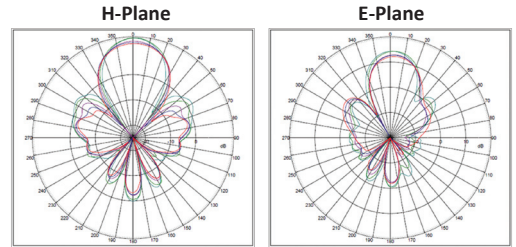


**ANTENNA PATTERNS**

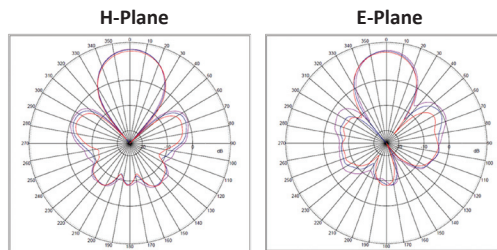
**2300-2700 MHz**



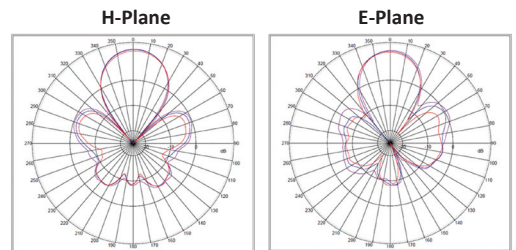
**2400-2500 MHz**



**3300-3800 MHz**

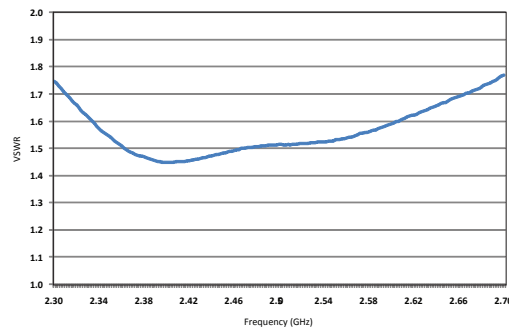


**5150-5850 MHz**

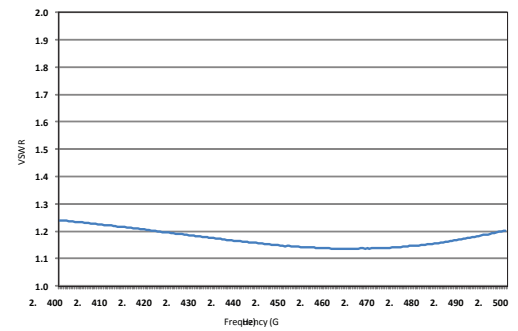


**VSWR GRAPHS**

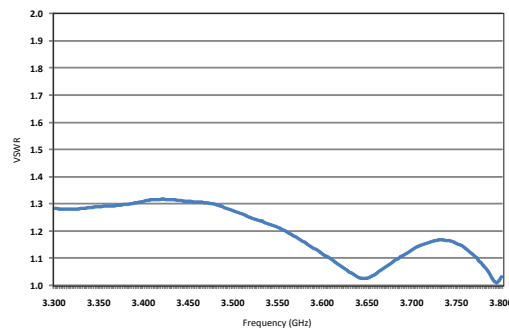
**2300-2700 MHz**



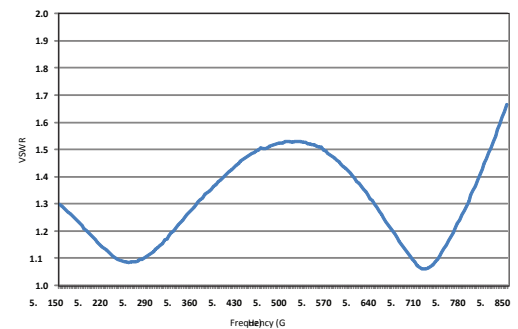
**2400-2500 MHz**



**3300-3800 MHz**



**5150-5850 MHz**



| SPECIFICATIONS              | 2300-2700                                   | 2400-2500 | 3300-3800 | 4940-5850 | 2400-2485/<br>5150-5850 |
|-----------------------------|---------------------------------------------|-----------|-----------|-----------|-------------------------|
| Gain (integrated antenna)   | 14 dBi                                      | 12 dBi    | 16 dBi    | 18 dBi    | 12 / 15 dBi             |
| VSWR (integrated antenna)   | 1.8:1                                       | 1.5:1     | 1.7:1     | 1.7:1     | 1.5:1                   |
| Impedance                   | 50 OHM                                      |           |           |           |                         |
| Input Power                 | 100 W                                       |           |           |           |                         |
| Wind Survivability          | 150 mph                                     |           |           |           |                         |
| Weight (die-cast enclosure) | 40 oz (1.13kg)                              |           |           |           |                         |
| Dimensions (inside)         | 7.125" x 6.125" x 2" (181 x 156 x 51mm) 10" |           |           |           |                         |
| Dimensions (outside)        | x 7.1" x 2.25" (254 x 180 x 57 mm)          |           |           |           |                         |
| Radome                      | ASA                                         |           |           |           |                         |
| Operational Temperature     | -30°C to +75°C                              |           |           |           |                         |
| Mount Style                 | Wall / Mast / Tilt                          |           |           |           |                         |

## COMPLETE UNITS

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| DCE-7x6x2        | Die Cast Enclosure (No Antenna)                                       |
| DCE-H-7x6x2      | Die Cast Enclosure w/ Hinged Die Cast Door (No Antenna)               |
| DCE-ANT2314-xxxx | Die Cast Enclosure w/ 2300-2700MHz, 14dBi Antenna Integrated Into     |
| DCE-ANT2412-xxxx | Hinged Door Die Cast Enclosure w/ 2400-2500MHz, 12dBi Antenna         |
| DCE-ANT3516-xxxx | Integrated Into Hinged Door Die Cast Enclosure w/ 3300-3800MHz, 16dBi |
| DCE-ANT5819-xxxx | Antenna Integrated Into Hinged Door Die Cast Enclosure w/             |
| DCE-ANT2451-xxxx | 4940-5850MHz, 19dBi Antenna Integrated Into Hinged Door Die Cast      |
|                  | Enclosure w/ Dual-Band 2400-2485MHz/5150-5850MHz,                     |
|                  | 12dBi/16dBi Antenna Integrated Into Hinged Door                       |

(xxxx = connector type - MC, MMCX, RMMCX, RSMA, RTNC, SSMB, and UFL)

## ACCESSORIES FOR DCE-7x6x2

|                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| DCE-HC-ASSY      | Hinged Die Cast Door for DCE-7x6x2                                         |
| DCE-ANT2314-ASSY | Hinged ASA Door w/2300-2700MHz, 14dBi                                      |
| DCE-ANT2412-ASSY | Antenna Hinged ASA Door w/2400-2500MHz,                                    |
| DCE-ANT3516-ASSY | 12dBi Antenna Hinged ASA Door                                              |
| DCE-ANT5819-ASSY | w/3300-3800MHz, 16dBi Antenna Hinged ASA                                   |
| DCE-ANT2451-ASSY | Door w/4940-5850MHz, 19dBi Antenna                                         |
|                  | Hinged ASA Door w/Dual-Band 2400-2485MHz/5150-5850MHz, 12dBi/16dBi Antenna |

## NOTES

- All shipments F.O.B. Schaumburg, IL 60173