# S8XXXB

## Base Station Omni Antennas 800 MHz/900 MHz

Omnidirectional antennas are the right choice for situations where you need to be in contact with sources that are in two directions or if you do not know what direction the signals are coming from. Standard data transmission omnis are fully decoupled antennas built on a copper laminate and housed in 0.100-inch wall fiberglass housings. They may be mounted right side up or tipped upside down depending upon the desired pattern. They also feature a very versatile clamp mounting system that fits most every situation you may encounter.

## FEATURES AND BENEFITS

- Fiberglass enclosures
- Broadband performance
- Plated copper laminated radiator
- DC grounded
- Weatherproof designs with
- Omnidirectional UltraLink pigtail
- RoHS-compliant

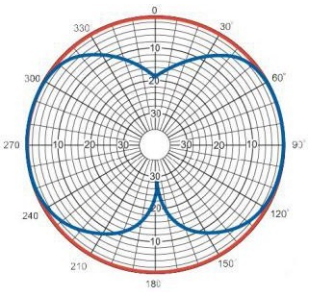
## APPLICATIONS

- M2M/IoT
- Two-way dispatch
- LoRa

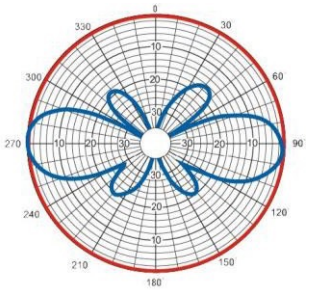
| MODEL | FREQUENCY | VSWR (NOMINAL) | GAIN (dBi) | BANDWIDTH (1.5:1) | -3DB BEAM-WIDTH E-PLANE | TYPE (FEMALE) | HEIGHT cm (in) | WEIGHT kg (lb) | W/SUR AREA $m^2$ ($ft^2$) | W/SURVIVAL kph (mph) | PIGTAIL cm (in) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S8964B | 896-960 | 1.5:1 | 6 | 64 | 25° | N | 107 (42 1/8) | 0.70 (1.56) | 0.02 (0.22) | 200 (125) | 23 |
| S8963B | 896-960 | 1.5:1 | 5 | 64 | 45° | N | 78 (30 ¾) | 0.53 (1.19) | 0.016 (0.176) | 200 (125) | 23 |
| S8960B | 896-960 | 1.5:1 | 2 | 64 | 75° | N | 44.5 (17 ½) | 0.25 (0.56) | 0.009 (0.083) | 200 (125) | 17 |
| S8060B | 806-868 | 1.5:1 | 2 | 62 | 75° | N | 44.5 (17 ½) | 0.25 (0.56) | 0.009 (0.083) | 200 (125) | 17 |

| COMMON SPECIFICATIONS | |
|---|---|
| Power Handling (Watts) | 5 |
| Element Material | Plated copper laminate |
| Enclosure Material | Fiberglass |
| Mounting Style | Tube end |
| Maximum Mast Diameter – cm (in.) | 5.1 (2.0) |

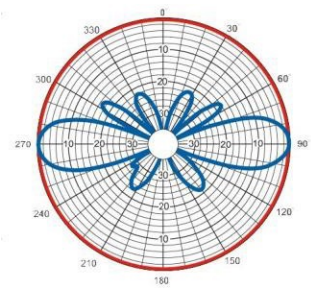
## RADIATION PATTERNS



**S8060B**



**S8063B**



**S8064B**

### TE TECHNICAL SUPPORT CENTER

| | |
|---|---|
| USA: | +1 (800) 522-6752 |
| Canada: | +1 (905) 475-6222 |
| Mexico: | +52 (0) 55-1106-0800 |
| Latin/S. America: | +54 (0) 11-4733-2200 |
| Germany: | +49 (0) 6251-133-1999 |
| UK: | +44 (0) 800-267666 |
| France: | +33 (0) 1-3420-8686 |
| Netherlands: | +31 (0) 73-6246-999 |
| China: | +86 (0) 400-820-6015 |

### te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warrantied to exceed one (1) year from the original date of the end product purchase.

©2022 TE Connectivity. All Rights Reserved.

**08/22 Original**