Laird TECHNOLOGIES®

Innovative **Technology** for a **Connected** World

BASE STATION OMNI ANTENNAS

S8xxxB

800/900 MHz OMNIDIRECTIONAL ANTENNAS

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 will be 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 will fit most every situation you will encounter.

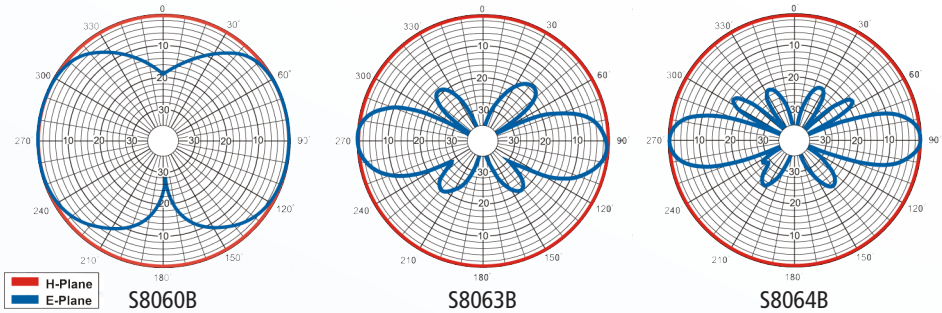
FEATURES RoHS

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

MARKETS

- WiMAX

ANTENNA PATTERNS



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SPECIFICATIONS

MODEL	FREQ. MHz	VSWR (NOMINAL)	BANDWIDTH 1.5:1 MHz	-3 dB BMWIDTH E-PLANE	TYPE (FEMALE)	HEIGHT in(cm)	WEIGHT lb(kg)	W/SUR AREA ft^2 (m^2)	W/SURVIVAL mph(kph)	PIGTAIL in(cm)
S8964B	896-960	1.5:1	64	25°	N	42-1/8 (107)	1.56 (0.70)	0.22 (0.02)	125 (200)	23
S8963B	896-960	1.5:1	64	45°	N	30-3/4 (78)	1.19 (0.53)	0.176 (0.016)	125 (200)	23
S8960B	896-960	1.5:1	64	75°	N	17-1/2 (44.5)	0.56 (0.25)	0.083 (0.009)	125 (200)	17
S8804B	880-960	1.5:1	62	25°	N	42-1/8 (107)	1.56 (0.70)	0.22 (0.02)	125 (200)	23
S8803B	880-960	1.5:1	62	45°	N	30-3/4 (78)	1.19 (0.53)	0.176 (0.016)	125 (200)	23
S8800B	880-960	1.5:1	62	75°	N	17-1/2 (44.5)	0.56 (0.25)	0.083 (0.009)	125 (200)	17
S8244B	824-896	1.5:1	62	25°	N	42-1/8 (107)	1.56 (0.70)	0.22 (0.02)	125 (200)	23
S8243B	824-896	1.5:1	62	45°	N	30-3/4 (78)	1.19 (0.53)	0.176 (0.016)	125 (200)	23
S8240B	824-896	1.5:1	62	75°	N	17-1/2 (44.5)	0.56 (0.25)	0.083 (0.009)	125 (200)	17
S8064B	806-868	1.5:1	62	25°	N	42-1/8 (107)	1.56 (0.70)	0.22 (0.02)	125 (200)	23
S8063B	806-868	1.5:1	62	45°	N	30-3/4 (78)	1.19 (0.53)	0.176 (0.016)	125 (200)	23
S8060B	806-868	1.5:1	62	75°	N	17-1/2 (44.5)	0.56 (0.25)	0.083 (0.009)	125 (200)	17

Common specifications: Power handling - 150 watts; Element material - plated copper laminate;
Enclosure material - fiberglass; Mounting style - tube end; Maximum mast diameter - 2 in (5.1 cm)

ANT-DS-S8xxxB 0611

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