

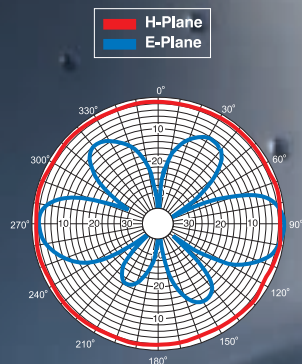
PRODUCT DATA SHEET

COMMUNICATIONS ANTENNAS



DATA TRANSMISSION OMNIS

- Polycarbonate enclosures
- Available with ceiling mounts
- Plated copper laminated radiator
- Weatherproof designs with UltraLink® pigtail
- Broadband performance
- DC grounded
- Omnidirectional performance



S2403BH

S2403BH



S2403BP



Special Purpose Omnidirectional Antennas

Cushcraft Corporation recently introduced two more ISM band data transmission omnidirectional antennas, the S2403BH and the S2403BP. Both antennas provide for transmission and reception of linearly polarized signals in the 2400-2500 MHz frequency band. These antennas consist of a series fed, two element dipole array providing a nominal 3 dBd gain with a nominal 360 by 30 degrees half power beamwidth. Each antenna has a VSWR of 1.5:1 maximum on 50 ohms impedance. The enclosure is constructed of a durable polycarbonate. The S2403BP measures 1 inch in diameter, 7.6 inches in height and weighs 4 ounces. The S2403BH measures 1 inch in diameter, 6 inches in height and weighs 2 ounces. The antenna is an excellent choice for superior RF coverage in warehouses, auditoriums, shopping malls, industrial complexes and more. Standard models of the antennas are white in color. Installation options include a pole mount or suspended ceiling mount.

DATA OMNI SPECIFICATION CHART

Model	Freq. MHz	Gain dBd	Bandwidth 1.5:1 MHz	-3dB bmwidth E-Plane	Height In (cm)	Weight lb (kg)	W/sur Area ft ² (m ²)	W/survival mph (kph)	Power (Watts)	Enclosure Material	Mount Style	Mast Dia in (cm)
S5703BP5SMF	5725-5875	3	150	38°	7 (17.8)	0.3 (0.14)	.06 (.006)	125 (200)	20	Polycarbonate	Tube end	2 (5.1)
S5703BH7SMF	5725-5875	3	150	38°	7 (17.8)	0.2 (0.1)	.06 (.006)	125(200)	20	Polycarbonate	Ceiling	N/A
S5153BP5SMF	5150-5350	3	200	38°	7 (17.8)	0.2 (0.1)	.06 (.006)	125(200)	20	Polycarbonate	Tube end	2 (5.1)
S5153BH7SMF	5150-5350	3	200	38°	7 (17.8)	0.2 (0.1)	.06 (.006)	125(200)	20	Polycarbonate	Ceiling	N/A
S2403BH12NF	2400-2500	3	100	38°	11-1/2 (29.2)	0.31 (0.14)	0.08 (0.007)	125 (200)	50	Polycarbonate	Ceiling	N/A
S2403BP12NF	2400-2500	3	100	38°	11-1/2 (29.2)	0.41 (0.18)	0.08 (0.007)	125 (200)	50	Polycarbonate	Tube end	2 (5.1)
S2400BH12NF	2400-2500	0	100	75°	9 (22.9)	0.29 (0.13)	0.122 (0.011)	125 (200)	50	Polycarbonate	Ceiling	N/A