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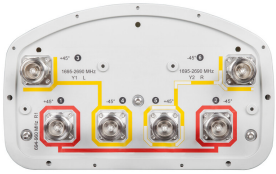

6-port sector antenna, 2x 694–960 and 4x 1695–2690 MHz, 65° HPBW, 3x RET

- Utilizes AccuRET® actuator(s) on the back of the antenna

This product will be discontinued on: March 30, 2024

General Specifications

Antenna Type	Sector
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum | Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information

RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	3 female | 3 male
Input Voltage	10–30 Vdc
Internal RET	High band (2) | Low band (1)
Power Consumption, idle state, maximum	1 W
Power Consumption, normal conditions, maximum	8 W
Protocol	3GPP/AISG 2.0 (Single RET)

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Dimensions

Width	301 mm | 11.85 in
Depth	181 mm | 7.126 in
Length	1412 mm | 55.591 in
Net Weight, without mounting kit	18.6 kg | 41.006 lb

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz | 694 – 960 MHz
Polarization	±45°
Total Input Power, maximum	850 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	**694–790**	**790–890**	**890–960**	**1695–1920**	**1920–2180**	**2500–2690**
Gain, dBi	13.8	14.1	14.5	17.2	17.5	16.7
Beamwidth, Horizontal, degrees	72	70	68	60	63	63
Beamwidth, Vertical, degrees	16.9	15.3	14.2	7.3	6.6	6.4
Beam Tilt, degrees	3–18	3–18	3–18	3–13	3–13	3–13
USLS (First Lobe), dB	16	20	17	18	18	17
Front-to-Back Ratio at 180°, dB	28	33	31	29	32	29
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	300	300	300	250	250	100

Electrical Specifications, BASTA

Frequency Band, MHz	**694–790**	**790–890**	**890–960**	**1695–1920**	**1920–2180**	**2500–2690**
Gain by all Beam Tilts, average, dBi	13.5	14	14.2	16.6	17.2	16.3
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.3	±0.5	±0.9	±0.5	±0.7

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Gain by Beam Tilt, average, dBi	3 ° | 13.6 10 ° | 13.6 18 ° | 13.4	3 ° | 14.0 10 ° | 14.0 18 ° | 13.8	3 ° | 14.5 10 ° | 14.2 18 ° | 13.7	3 ° | 16.6 8 ° | 16.8 13 ° | 16.4	3 ° | 17.1 8 ° | 17.3 13 ° | 16.8	3 ° | 16.3 8 ° | 16.6 13 ° | 15.6
Beamwidth, Horizontal Tolerance, degrees	±2	±1.5	±2.8	±8	±8.9	±5.4
Beamwidth, Vertical Tolerance, degrees	±1.2	±0.8	±1.1	±0.5	±0.5	±0.4
USLS, beampeak to 20° above beampeak, dB	15	18	17	12	14	10
Front-to-Back Total Power at 180° ± 30°, dB	23	24	21	23	23	23
CPR at Boresight, dB	19	19	18	16	17	21
CPR at Sector, dB	8	9	7	10	11	9

Mechanical Specifications

Wind Loading @ Velocity, frontal	205.0 N @ 150 km/h (46.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	169.0 N @ 150 km/h (38.0 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	396.0 N @ 150 km/h (89.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	208.0 N @ 150 km/h (46.8 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	429 mm | 16.89 in
Depth, packed	329 mm | 12.953 in
Length, packed	1672 mm | 65.827 in
Weight, gross	31.9 kg | 70.327 lb

Regulatory Compliance/Certifications

Agency	**Classification**
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

BSAMNT-OFFSET	–	Forward Offset Pipe Mounting Kit for 4.5 in (114.3 mm) OD round members

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance