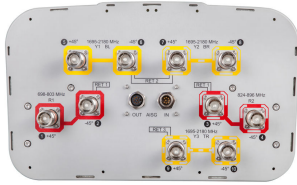


JAH3-65C-R3



10-port sector antenna, 2x 698–803, 2x 824–896 and 6x 1695–2180 MHz, 65° HPBW, 3x RETs and low bands have diplexers

OBSOLETE

This product was discontinued on: March 27, 2020

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light Gray (RAL 7035)
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	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	6
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	4
RF Connector Quantity, total	10

Remote Electrical Tilt (RET) Information

RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	1 female 1 male
Input Voltage	10–30 Vdc

JAH3-65C-R3

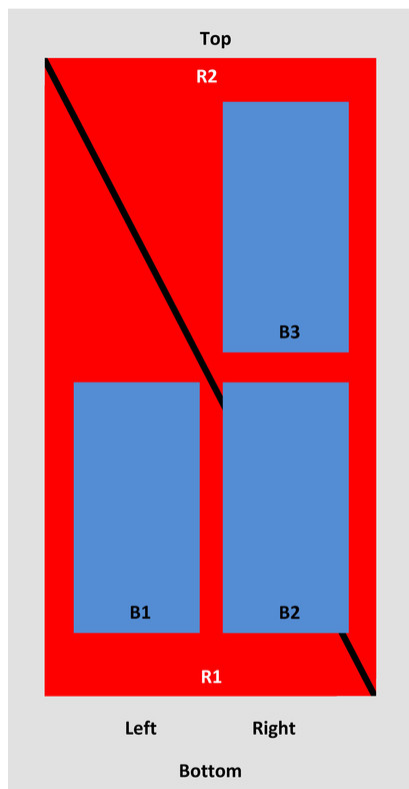
Internal RET	High band (2) Low band (1)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Protocol	3GPP/AISG 2.0 (Multi-RET)

Dimensions

Width	350 mm 13.78 in
Depth	208 mm 8.189 in
Length	2438 mm 95.984 in
Net Weight, without mounting kit	31.3 kg 69.005 lb

Array Layout

JAH3-65C-R3



Array	Freq (MHz)	Conns	RET (MRET)	AISG RET UID
R1	698-803	1-2	1	ANXXXXXXXXXXXXXXXXX.1
R2	824-896	3-4		
B1	1695-2180	5-6	2	ANXXXXXXXXXXXXXXXXX.2
B2	1695-2180	7-8		
B3	1695-2180	9-10	3	ANXXXXXXXXXXXXXXXXX.3

View from the front of the antenna
(Sizes of colored boxes are not true depictions of array sizes)

JAH3-65C-R3

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2180 MHz 698 – 803 MHz 824 – 896 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	698–803	824–896	1695–1880	1850–1990	1920–2180
Gain, dBi	15.9	16.4	16.9	17.1	17.4
Beamwidth, Horizontal, degrees	67	65	62	63	64
Beamwidth, Vertical, degrees	9.7	8.6	8.1	7.5	7.1
Beam Tilt, degrees	2–11	2–11	2–12	2–12	2–12
USLS (First Lobe), dB	18	18	16	16	17
Front-to-Back Ratio at 180°, dB	33	36	32	35	36
Isolation, Cross Polarization, dB	28	28	28	28	28
Isolation, Inter-band, dB	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
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	350	350	350	350	350

Mechanical Specifications

Wind Loading @ Velocity, frontal	425.0 N @ 150 km/h (95.5 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	361.0 N @ 150 km/h (81.2 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	900.0 N @ 150 km/h (202.3 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	451.0 N @ 150 km/h (101.4 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	450 mm 17.717 in
Depth, packed	355 mm 13.976 in
Length, packed	2585 mm 101.772 in
Weight, gross	46.1 kg 101.633 lb

JAH3-65C-R3

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant
UK-ROHS	Compliant



Included Products

- BSAMNT-3 – Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance