



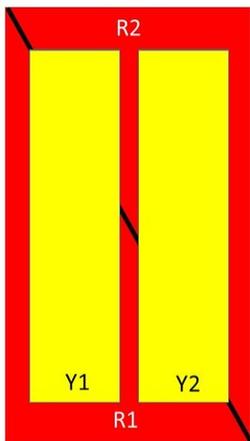
# JAHH-65B-R3B-V3

<b>RET Interface, quantity</b>	2 female   2 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal Bias Tee</b>	Port 1   Port 5
<b>Internal RET</b>	High band (1)   Low band (2)
<b>Power Consumption, idle state, maximum</b>	1 W
<b>Power Consumption, normal conditions, maximum</b>	8 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Width</b>	350 mm   13.78 in
<b>Depth</b>	208 mm   8.189 in
<b>Length</b>	1828 mm   71.969 in
<b>Net Weight, without mounting kit</b>	31.1 kg   68.564 lb

## Array Layout



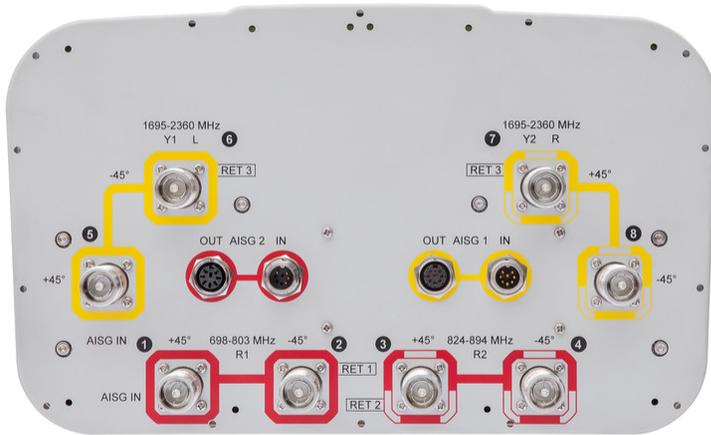
Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-803	1-2	1	CPxxxxxxxxxxxxxxxxR1
R2	824-894	3-4	2	CPxxxxxxxxxxxxxxxxR2
Y1	1695-2360	5-6	3	CPxxxxxxxxxxxxxxxxY1
Y2	1695-2360	7-8		

Left Right  
Bottom

(Sizes of colored boxes are not true depictions of array sizes)

## Port Configuration

# JAHH-65B-R3B-V3



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2360 MHz   698 – 803 MHz   824 – 894 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	900 W @ 50 °C

## Electrical Specifications

Frequency Band, MHz	698–803	824–894	1695–1880	1850–1990	1920–2200	2300–2360
<b>Gain, dBi</b>	14.9	15.3	17.9	18.5	18.8	19.3
<b>Beamwidth, Horizontal, degrees</b>	67	65	62	60	61	64
<b>Beamwidth, Vertical, degrees</b>	11.8	10.4	5.6	5.2	4.9	4.5
<b>Beam Tilt, degrees</b>	2–14	2–14	0–10	0–10	0–10	0–10
<b>USLS (First Lobe), dB</b>	20	20	17	17	18	20
<b>Front-to-Back Ratio at 180°, dB</b>	32	32	34	39	36	40
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25	25
<b>Isolation, Inter-band, dB</b>	30	30	30	30	30	30
<b>VSWR   Return loss, dB</b>	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0

# JAHH-65B-R3B-V3

<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150	-150
<b>Input Power per Port at 50°C, maximum, watts</b>	300	300	250	250	250	200

## Mechanical Specifications

<b>Effective Projective Area (EPA), frontal</b>	0.28 m <sup>2</sup>   3.014 ft <sup>2</sup>
<b>Effective Projective Area (EPA), lateral</b>	0.24 m <sup>2</sup>   2.583 ft <sup>2</sup>
<b>Mechanical Tilt Range</b>	0°–16°
<b>Wind Loading @ Velocity, frontal</b>	301.0 N @ 150 km/h (67.7 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	254.0 N @ 150 km/h (57.1 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	638.0 N @ 150 km/h (143.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	319.0 N @ 150 km/h (71.7 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	450 mm   17.717 in
<b>Depth, packed</b>	355 mm   13.976 in
<b>Length, packed</b>	1975 mm   77.756 in
<b>Weight, gross</b>	39.8 kg   87.744 lb

## Regulatory Compliance/Certifications

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



## Included Products

BSAMNT-2F	–	Mounting bracket for cylindrical pipe installations (60-115mm pipe diameter) for fix mechanical tilt applications.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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