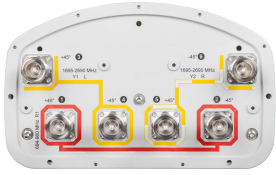


RVV65A-R3-J



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

OBSOLETE

This product was 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, mid band	0
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

RVV65A-R3-J

Protocol 3GPP/AISG 2.0 (Single RET)

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

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)

RVV65A-R3-J

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
-------------------------	---