

FF-65B-R2



4-port sector antenna, 4x 617–894 MHz, 65° HPBW, 2x RET, 600MHzReady Antenna Technology

General Specifications

Antenna Type	Sector
Band	Single band
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, low band	4
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

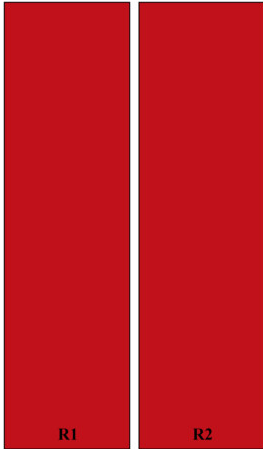
RET Hardware	CommRET v2
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	1 female 1 male
Input Voltage	10–30 Vdc
Internal RET	Low band (2)
Power Consumption, active state, maximum	13 W
Power Consumption, idle state, maximum	2 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Width	498 mm 19.606 in
Depth	197 mm 7.756 in
Length	1828 mm 71.969 in
Net Weight, antenna only	29.7 kg 65.477 lb

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Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG RET UID
R1	617-894	1 - 2	1	CPxxxxxxxxxxxxR1
R2	617-894	3 - 4	2	CPxxxxxxxxxxxxR2

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

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	617 – 894 MHz
Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

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Electrical Specifications

	617-698	698-894
Frequency Band, MHz		
RF Port	1-4	1-4
Gain, dBi	13.9	15.1
Beamwidth, Horizontal, degrees	70	60
Beamwidth, Vertical, degrees	14.6	12.3
Beam Tilt, degrees	2-14	2-14
USLS (First Lobe), dB	16	15
Front-to-Back Ratio at 180°, dB	27	30
Front-to-Back Total Power at 180° ± 30°, dB	21	20
Isolation, Cross Polarization, dB	25	25
Isolation, Inter-band, dB	25	25
VSWR Return loss, dB	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-153
Input Power per Port at 50°C, maximum, watts	250	250

Electrical Specifications, BASTA

	617-698	698-894
Frequency Band, MHz		
Gain by all Beam Tilts, average, dBi	13.4	14
Gain by all Beam Tilts Tolerance, dB	±0.9	±1.2
Beamwidth, Horizontal Tolerance, degrees	±7	±6
Beamwidth, Vertical Tolerance, degrees	±1.3	±1.5
USLS, beampeak to 20° above beampeak, dB	16	16
CPR at Boresight, dB	18	17
CPR at Sector, dB	10	8

Mechanical Specifications

Wind Loading @ Velocity, frontal	711.0 N @ 150 km/h (159.8 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	229.0 N @ 150 km/h (51.5 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	998.0 N @ 150 km/h (224.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	563.0 N @ 150 km/h (126.6 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	565 mm 22.244 in
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Depth, packed	309 mm 12.165 in
Length, packed	2015 mm 79.331 in
Weight, gross	43.4 kg 95.681 lb

Regulatory Compliance/Certifications

Agency

CHINA-ROHS

ISO 9001:2015

ROHS

UK-ROHS

Classification

Above maximum concentration value

Designed, manufactured and/or distributed under this quality management system

Compliant/Exempted

Compliant/Exempted



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

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.

Product Classification

Product Type Downtilt mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 115 mm | 4.528 in

Compatible Diameter, minimum 60 mm | 2.362 in

Weight, net 6.2 kg | 13.669 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

Weight, gross 6.4 kg | 14.11 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

BSAMNT-3

