

SS-65T-F



4-port small cell antenna, 4x 3300–4200 MHz, 65° HPBW, fixed electrical tilt

- Supports 4T4R radios operating in B42, B43, Bn77, Bn78
- Designed for strand mounting with OEM equipment
- NEX10 connectors on back
- In cases where the antenna is to be mounted on a customer supplied pole (40-95mm diameter), Qty1 Mounting Kit Part No. BSAMNT-S should be purchased separately

General Specifications

Antenna Type	Small Cell
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
Radome Material	ASA+PC, UV stabilized
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	NEX10 Female
RF Connector Location	Rear
RF Connector Quantity, high band	4
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	0
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

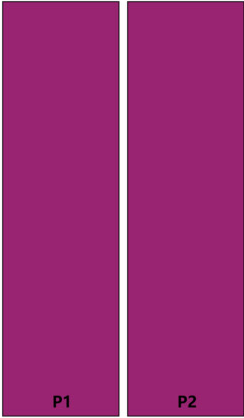
Power Consumption, active state, maximum	8 W
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Dimensions

Width	200 mm 7.874 in
Depth	44 mm 1.732 in
Length	200 mm 7.874 in
Net Weight, antenna only	0.72 kg 1.587 lb

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Array Layout



Array ID	Frequency (MHz)	RF Connector	HPBW	RET (N/A)	ALS No.	RET UID
P1	3300-4200	1 - 2	65°	N/A	NA	N/A
P2	3300-4200	3 - 4	65°			

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

Port Configuration



Electrical Specifications

Impedance

50 ohm

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Operating Frequency Band	3300 – 4200 MHz
Polarization	±45°
Total Input Power, maximum	200 W

Electrical Specifications

	P1,P2	P1,P2
Frequency Band, MHz	3300–3800	3700–4200
RF Port	1-4	1-4
Gain, dBi	12.8	12.9
Beamwidth, Horizontal, degrees	65	63
Beamwidth, Vertical, degrees	26.1	23.9
Beam Tilt, degrees	6	6
USLS (First Lobe), dB	17	16
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	32	32
Isolation, Cross Polarization, dB	22	22
Isolation, Inter-band, dB	22	22
VSWR Return loss, dB	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	50	50

Mechanical Specifications

Wind Loading @ Velocity, frontal	60.8 N @ 150 km/h (13.7 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	13.4 N @ 150 km/h (3.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	60.8 N @ 150 km/h (13.7 lbf @ 150 km/h)
Wind Speed, maximum	200 km/h (124 mph)

Packaging and Weights

Width, packed	230 mm 9.055 in
Depth, packed	93 mm 3.661 in
Length, packed	230 mm 9.055 in
Weight, gross	0.73 kg 1.609 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value

SS-65T-F

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



* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance