

SSP-65T-F-V3



6-port small cell antenna, 4x 3300–3800 MHz, 2x 5150–5925 MHz, 65° HPBW, fixed electrical tilt

- Designed for strand mounting with OEM equipment
- In cases where the antenna is to be mounted on a customer supplied pole (40-100mm diameter), Qty1 Mounting Kit Part No. BSAMNT-S should be purchased separately

This product will be discontinued on: March 30, 2024

General Specifications

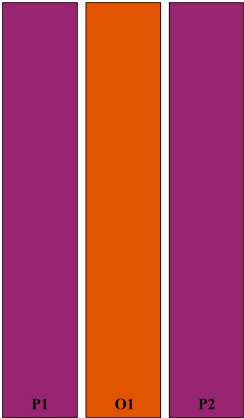
Antenna Type	Small Cell
Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	ASA+PC, UV stabilized
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	NEX10 Female
RF Connector Location	Side back
RF Connector Quantity, high band	6
RF Connector Quantity, total	6

Dimensions

Width	200 mm 7.874 in
Depth	44 mm 1.732 in
Length	200 mm 7.874 in
Net Weight, antenna only	0.8 kg 1.764 lb

Array Layout

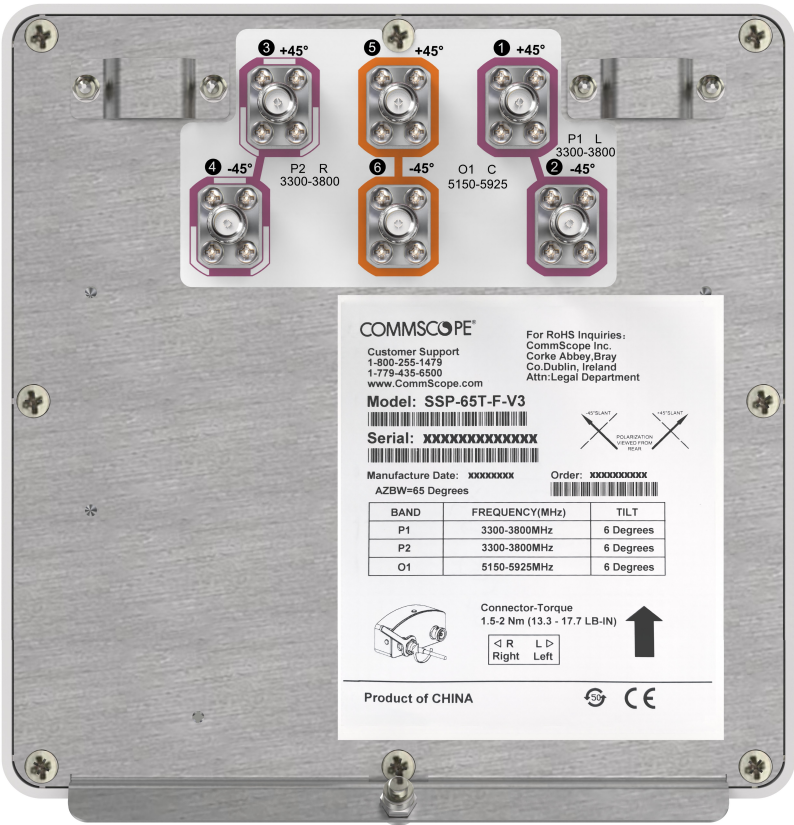
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Array ID	Frequency (MHz)	RF Connector	RET (N/A)	AISG RET UID
P1	3300-3800	1 - 2	N/A	N/A
P2	3300-3800	3 - 4		
O1	5150-5925	5 - 6		

(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 – 3800 MHz 5150 – 5925 MHz
Polarization	±45°

Electrical Specifications

	P1,P2	O1
Frequency Band, MHz	3300–3800	5150–5925
RF Port	1,2,3,4	5,6
Gain, dBi	12	2.8
Beamwidth, Horizontal, degrees	68	65
Beamwidth, Vertical, degrees	28	27
Beam Tilt, degrees	6	6
USLS (First Lobe), dB	14	14
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	25	23
Isolation, Cross Polarization, dB	22	22
Isolation, Inter-band, dB	22	22
VSWR Return loss, dB	1.5 14.0	1.5 14.0
Input Power per Port, maximum, watts	50	10

Electrical Specifications, BASTA

	3300–3800	5150–5925
Frequency Band, MHz		
Gain by all Beam Tilts, average, dBi	11.6	2.4
Gain by all Beam Tilts Tolerance, dB	±0.8	±1.1
Beamwidth, Horizontal Tolerance, degrees	±4.9	±20
Beamwidth, Vertical Tolerance, degrees	±3.5	±2.7
Front-to-Back Total Power at 180° ± 30°, dB	22	21
CPR at Boresight, dB	19	16
CPR at Sector, dB	10	2

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

SSP-65T-F-V3

Width, packed	250 mm 9.843 in
Depth, packed	125 mm 4.921 in
Length, packed	250 mm 9.843 in
Weight, gross	1.1 kg 2.425 lb

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



* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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