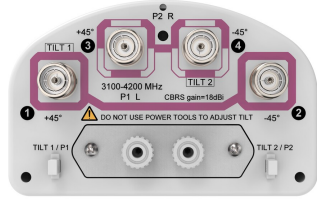


# SS-65M-M



## 4-port sector antenna, 4x 3100-4200 MHz, 65°HPBW

- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector
- Manual tilt adjustment with tilt indicators. RET compatible by replacing the manual tilt cartridge on site with the “plug-in” RET.
- Conforms to RoHS 2011/65/EU

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	PVC, UV resistant
<b>Radiator Material</b>	Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Quantity, total</b>	4

## Remote Electrical Tilt (RET) Information

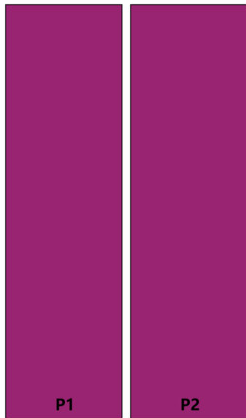
<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>Input Voltage</b>	10–30 Vdc
<b>Power Consumption, active state, maximum</b>	8 W
<b>Power Consumption, idle state, maximum</b>	1 W
<b>Protocol</b>	3GPP/AISG 2.0

## Dimensions

<b>Width</b>	170 mm   6.693 in
<b>Depth</b>	105 mm   4.134 in
<b>Length</b>	998 mm   39.291 in
<b>Net Weight, without mounting kit</b>	6.2 kg   13.669 lb

# SS-65M-M

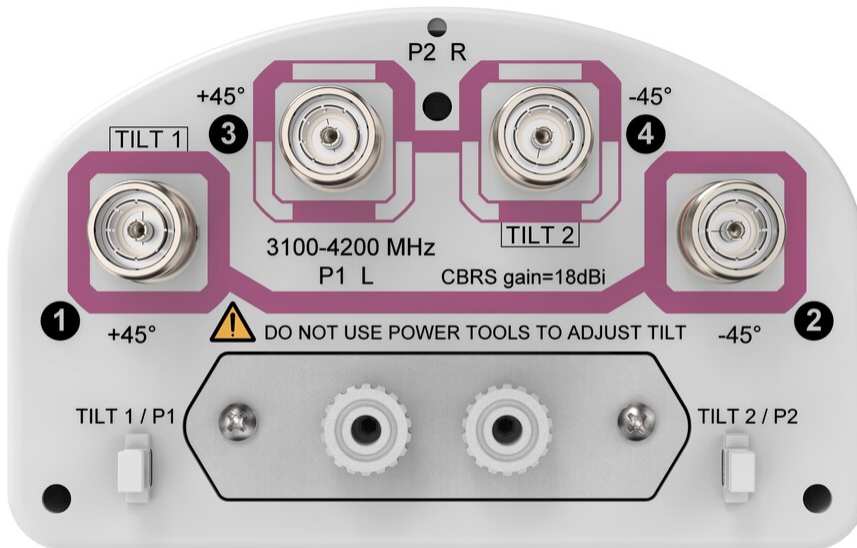
## Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (N/A)	AISG RET UID
P1	3100-4200	1 - 2	N/A	N/A
P2	3100-4200	3 - 4		

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

## Port Configuration



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	3100 – 4200 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	500 W

# SS-65M-M

## Electrical Specifications

Frequency Band, MHz	3100–3550	3550–3700	3700–4200
Gain, dBi	18	18.3	18.2
Beamwidth, Horizontal, degrees	69	67	64
Beamwidth, Vertical, degrees	5.6	5.2	5.1
Beam Tilt, degrees	0–10	0–10	0–10
USLS (First Lobe), dB	22	23	20
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	26	27	27
Isolation, Cross Polarization, dB	28	28	28
Isolation, Inter-band, dB	28	28	28
VSWR   Return loss, dB	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port, maximum, watts	200	200	200

## Electrical Specifications, BASTA

Frequency Band, MHz	3100–3550	3550–3700	3700–4200
Gain by all Beam Tilts, average, dBi	17.6	17.9	17.7
Beamwidth, Horizontal Tolerance, degrees	±3.9	±3.3	±4.8
CPR at Boresight, dB	19	18	19
CPR at Sector, dB	8	7	8

## Mechanical Specifications

Wind Loading at Velocity, frontal	163.0 N @ 150 km/h   36.6 lbf @ 150 km/h
Wind Loading at Velocity, lateral	124.0 N @ 150 km/h   27.9 lbf @ 150 km/h
Wind Loading at Velocity, rear	271.0 N @ 150 km/h   60.9 lbf @ 150 km/h
Wind Speed, maximum	241 km/h   149.75 mph

## Packaging and Weights

Width, packed	275 mm   10.827 in
Depth, packed	218 mm   8.583 in
Length, packed	1117 mm   43.976 in
Weight, gross	11.3 kg   24.912 lb
Weight, net	6.2 kg   13.669 lb

# SS-65M-M

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## Regulatory Compliance/Certifications

### Agency

CHINA-ROHS

ISO 9001:2015

ROHS

### Classification

Above maximum concentration value

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

Compliant/Exempted



## Included Products

- |        |   |   |
|--------|---|---|
| DB390  | - | Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Use for narrow panel antennas. Includes two pipe mounts. |
| DB5098 | - | Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members   |

## \* Footnotes

### Performance Note

Severe environmental conditions may degrade optimum performance