



4-port sector antenna, 4x 4400-5000 MHz, 65°HPBW, 2x RET

- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector
- With tilt indicators and internal RET

## 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

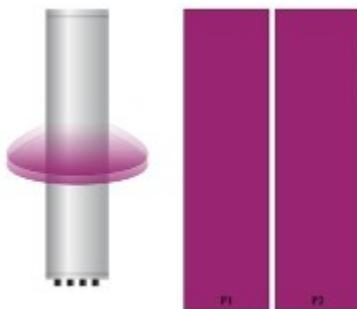
<b>RET Hardware</b>	CommRET v2
<b>RET Interface</b>	2x 8 pin connector as per IEC 60130-9 Daisy chain in: Male / Daisy chain out: Female Pin3: RS485A(AISG_B), Pin5: RS485B(AISG_A), Pin6: DC 10~30V, Pin7: DC_ Return
<b>RET Interface, quantity</b>	1 female   1 male
<b>Input Voltage</b>	10~30 Vdc
<b>Internal RET</b>	High band (2)
<b>Power Consumption, active state, maximum</b>	10 W
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

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<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>	6.5 kg   14.33 lb

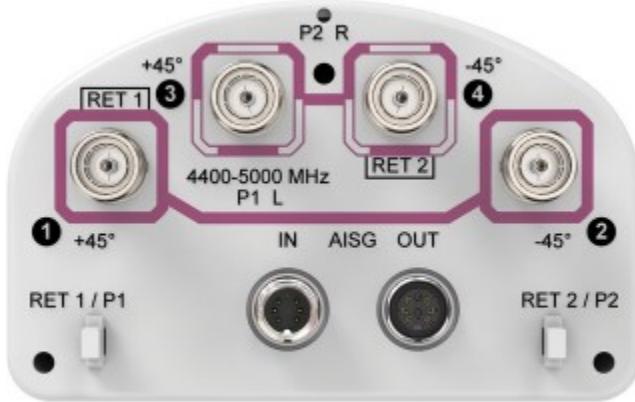
## Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG No.	RET UID
P1	4400-5000	1-2	1	AISG1	CPooooooooooooooP1
P2	4400-5000	3-4	2	AISG1	CPooooooooooooooP2

(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>	4400 – 5000 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	500 W

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## Electrical Specifications

### P1,P2

<b>Frequency Band, MHz</b>	<b>4400–5000</b>
<b>RF Port</b>	1-4
<b>Gain, dBi</b>	17.1
<b>Beamwidth, Horizontal, degrees</b>	60
<b>Beamwidth, Vertical, degrees</b>	5.5
<b>Beam Tilt, degrees</b>	0–10
<b>USLS (First Lobe), dB</b>	15
<b>Front-to-Back Ratio at 180°, dB</b>	29
<b>CPR at Boresight, dB</b>	18
<b>Isolation, Cross Polarization, dB</b>	25
<b>Isolation, Inter-band, dB</b>	25
<b>VSWR   Return loss, dB</b>	1.5   14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150
<b>Input Power per Port, maximum, watts</b>	150

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	163.0 N @ 150 km/h (36.6 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	124.0 N @ 150 km/h (27.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	271.0 N @ 150 km/h (60.9 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	275 mm   10.827 in
<b>Depth, packed</b>	218 mm   8.583 in
<b>Length, packed</b>	1117 mm   43.976 in
<b>Weight, gross</b>	10.6 kg   23.369 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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# UU-65M-R2

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UK-ROHS

Compliant

## 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.

## \* Footnotes

### **Performance Note**

Severe environmental conditions may degrade optimum performance

# DB390

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

## Product Classification

<b>Product Type</b>	Pipe mounting kit
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## General Specifications

<b>Application</b>	Outdoor
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<b>Color</b>	Silver
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## Dimensions

<b>Compatible Diameter, maximum</b>	114.3 mm   4.5 in
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<b>Compatible Diameter, minimum</b>	61 mm   2.402 in
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<b>Weight, net</b>	2 kg   4.409 lb
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## Material Specifications

<b>Material Type</b>	Galvanized steel
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## Packaging and Weights

<b>Included</b>	Brackets   Hardware
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<b>Packaging quantity</b>	1
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<b>Weight, gross</b>	2.1 kg   4.63 lb
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



