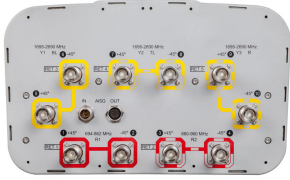


# EGV365D-FL-C3-5XR



10-port sector antenna, 2x 694–862, 2x 880–960 and 6x 1695–2690 MHz, 65° HPBW, 5x RET. Low band arrays are diplexed at the element level.

- All Internal RET actuators are connected in “Cascaded SRET” configuration
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

## OBSOLETE

This product was discontinued on: **March 31, 2022**

### Replaced By:

RRV4-65D-R6

12-port sector antenna, 4x 694–960 and 8x 1695–2690 MHz, 65° HPBW, 6x RET. Antenna rear wind loading 880N @ 150km/h

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage   Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Copper   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>	6
<b>RF Connector Quantity, low band</b>	4
<b>RF Connector Quantity, total</b>	10

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	1 female   1 male

# EGV365D-FL-C3-5XR

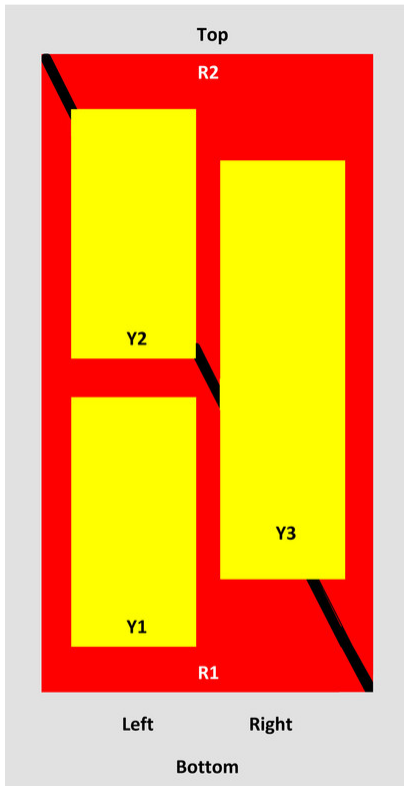
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	High band (3)   Low band (2)
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	13 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Width</b>	350 mm   13.78 in
<b>Depth</b>	208 mm   8.189 in
<b>Length</b>	2688 mm   105.827 in
<b>Net Weight, without mounting kit</b>	41.1 kg   90.61 lb

## Array Layout

EGV365D-FL-C3-5XR



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	694-862	1-2	1	ANXXXXXXXXXXXXXXXXX1
R2	880-960	3-4	2	ANXXXXXXXXXXXXXXXXX2
Y1	1695-2690	5-6	3	ANXXXXXXXXXXXXXXXXX3
Y2	1695-2690	7-8	4	ANXXXXXXXXXXXXXXXXX4
Y3	1695-2690	9-10	5	ANXXXXXXXXXXXXXXXXX5

View from the front of the antenna  
 (Sizes of colored boxes are not true depictions of array sizes)

# EGV365D-FL-C3-5XR

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   694 – 862 MHz   880 – 960 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	800 W @ 50 °C

## Electrical Specifications

	<b>LB</b>	<b>LB</b>	<b>HB1/HB2</b>	<b>HB1/HB2</b>	<b>HB1/HB2</b>	<b>HB3</b>	<b>HB3</b>	<b>HB3</b>
<b>Frequency Band, MHz</b>	<b>694–862</b>	<b>880–960</b>	<b>1695–1920</b>	<b>1920–2180</b>	<b>2300–2690</b>	<b>1695–1920</b>	<b>1920–2180</b>	<b>2300–2690</b>
<b>Gain, dBi</b>	16.5	16.9	17.1	17.5	18.2	18.1	18.7	19.2
<b>Beamwidth, Horizontal, degrees</b>	66	62	63	64	62	62	63	61
<b>Beamwidth, Vertical, degrees</b>	8.2	7.2	7.5	6.7	5.5	5.5	5	4.2
<b>Beam Tilt, degrees</b>	2–12	2–12	2–12	2–12	2–12	2–12	2–12	2–12
<b>USLS (First Lobe), dB</b>	17	20	19	20	16	16	16	16
<b>Front-to-Back Ratio at 180°, dB</b>	33	36	32	35	34	32	37	37
<b>Isolation, Cross Polarization, dB</b>	28	28	28	28	28	28	28	28
<b>Isolation, Inter-band, dB</b>	30	30	30	30	30	30	30	30
<b>VSWR   Return loss, dB</b>	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150	-150	-150	-150
<b>Input Power per Port at 50°C, maximum, watts</b>	200	200	250	250	250	250	250	250

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>694–862</b>	<b>880–960</b>	<b>1695–1920</b>	<b>1920–2180</b>	<b>2300–2690</b>	<b>1695–1920</b>	<b>1920–2180</b>	<b>2300–2690</b>
<b>Gain by all Beam Tilts, average, dBi</b>	16.2	16.7	16.6	17.2	17.8	17.8	18.4	19
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.4	±0.3	±0.7	±0.6	±0.5	±0.7	±0.4	±0.3
<b>Gain by Beam Tilt, average, dBi</b>	2° 16.2 7° 16.3 12° 16.1	2° 16.7 7° 16.7 12° 16.5	2° 16.4 7° 16.7 12° 16.4	2° 16.9 7° 17.3 12° 17.1	2° 17.5 7° 17.9 12° 17.5	2° 17.6 7° 17.9 12° 17.6	2° 18.1 7° 18.5 12° 18.3	2° 18.8 7° 19.2 12° 18.7
<b>Beamwidth, Horizontal Tolerance, degrees</b>	±1.8	±2.1	±3.5	±2.1	±3.5	±3.5	±2.7	±3.6
<b>Beamwidth, Vertical Tolerance, degrees</b>	±0.7	±0.4	±0.5	±0.5	±0.4	±0.3	±0.3	±0.3

# EGV365D-FL-C3-5XR

<b>USLS, beampeak to 20° above beampeak, dB</b>	15	15	13	15	13	16	16	16
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	26	24	26	26	27	27	27	28
<b>CPR at Boresight, dB</b>	21	23	18	20	20	18	22	18
<b>CPR at Sector, dB</b>	11	10	11	11	7	10	9	7

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	477.0 N @ 150 km/h (107.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	409.0 N @ 150 km/h (91.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	1,010.0 N @ 150 km/h (227.1 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	506.0 N @ 150 km/h (113.8 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	460 mm   18.11 in
<b>Depth, packed</b>	350 mm   13.78 in
<b>Length, packed</b>	2830 mm   111.417 in
<b>Weight, gross</b>	57.6 kg   126.986 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	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

# EGV365D-FL-C3-5XR

---