

Special Configuration

Multi Port, Omni

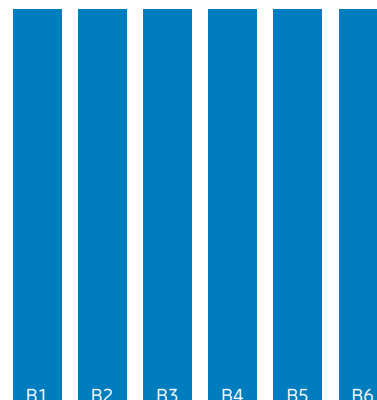
Capacity

Compact

Coverage

Product Name Product No.	Frequency MHz	HPBW °	Gain dBi	Tilt °	Connector type	Page	3C
Multi Port							
Antenna 9009 0L 6M 0.4m 80010725	6x 1695–2200	11	19.0	5	4.3-10	454	
Antenna 9010 0L 6M 0.4m 80010726	6x 2300–2690	9	21.0	7	4.3-10	460	
Antenna 9003 1LM 0.43m 80020448	694–960/ 1710–2690	65	5.0	0	4.3-10	466	
Antenna 9005 0L 4M 80010234	1695–2690/ 3300–4200/ 5150–5920	360	5.0	0	4.3-10	468	
Antenna 9012 1LM KRE 101 2572/1	617–960 1427–1518 1695–2690 3300–4200	65 65 65 65	4.5 5.5 7.0 8.0	0	4.3-10	470	
Antenna 9014 2L 4M 0.5m KRE 101 2570/1	2x 690–960 2x 1695–2690 2x 3300–4200	65 65 65	8.0 11.7 11.7	0	4.3-10	472	
Antenna 9000 1LM 742192V02	1x 690–2690	67	11.0	0	7-16	478	
Antenna 9008 1LM 80010828V01	1x 790–960 1x 1710–2170	C 38 28	14.0 15.5	0 0	7-16	481	
Antenna 9011 1LM KRE 101 2571/1	617–4200	65	10.0	0	4.3-10	484	
Omni							
Antenna 9002 0L 1M 0.11m 80010431	1x 1695–2700	360	2.0	0	N	487	
Antenna 9002 1LM 0.2m 80010846	694–960/ 1695–2700	360	2.0	0	N	489	
Antenna 9002 0L 1M 0.7m 80020126	1x 1710–2690	360	5.0	0	4.3-10	491	

New product



Antenna 9009 0L 6M 0.4m

80010725

Capacity

Compact

Coverage

6x 1695–2200 MHz | 19.0 dBi



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B1, connector 1 – 2

Frequency Range	MHz	1695 – 1880	1850 – 1990	1920 – 2200
Gain	dBi	16.9 ± 1.0	18.1 ± 0.9	19.0 ± 1.1
Horizontal Pattern:				
Azimuth Beamwidth	°	16.3 ± 2.3	13.6 ± 0.8	12.6 ± 0.9
Front-to-Back Ratio, Total Power, ± 30°	dB	> 22	> 24	> 23
Cross Polar Discrimination at Boresight	dB	> 7	> 15	> 16
Vertical Pattern:				
Elevation Beamwidth	°	23.0 ± 2.0	24.3 ± 1.9	22.9 ± 2.7
Electrical Downtilt	°	5, fixed		
First Upper Side Lobe Suppression	dB	> 11	> 18	> 17
Cross Polar Port Isolation	dB	> 25		
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)		

Values based on NGMN-P-BASTA (version 10.0) requirements.

B2, connector 3 – 4

Frequency Range	MHz	1695 – 1880	1850 – 1990	1920 – 2200
Gain	dBi	18.5 ± 1.1	19.5 ± 0.7	20.2 ± 1.2
Horizontal Pattern:				
Azimuth Beamwidth	°	13.2 ± 0.5	12.0 ± 0.8	11.0 ± 0.8
Front-to-Back Ratio, Total Power, ± 30°	dB	> 27	> 28	> 28
Cross Polar Discrimination at Boresight	dB	> 19	> 28	> 32
Vertical Pattern:				
Elevation Beamwidth	°	25.0 ± 0.9	24.6 ± 1.4	23.1 ± 2.2
Electrical Downtilt	°	5, fixed		
First Upper Side Lobe Suppression	dB	> 14	> 18	> 17
Cross Polar Isolation	dB	> 28		
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)		

Values based on NGMN-P-BASTA (version 10.0) requirements.

B3, connector 5–6

Frequency Range	MHz	1695 – 1880	1850 – 1990	1920 – 2200
Gain	dBi	18.7 ± 0.8	19.2 ± 0.8	19.9 ± 1.2
Horizontal Pattern:				
Azimuth Beamwidth	°	12.2 ± 0.5	11.1 ± 1.0	10.4 ± 0.9
Front-to-Back Ratio, Total Power, ± 30°	dB	> 23	> 25	> 24
Cross Polar Discrimination at Boresight	dB	> 20	> 23	> 25
Vertical Pattern:				
Elevation Beamwidth	°	25.7 ± 0.9	24.9 ± 1.0	23.3 ± 2.1
Electrical Downtilt	°	5, fixed		
First Upper Side Lobe Suppression	dB	> 20	> 20	> 16
Cross Polar Isolation	dB	> 28		
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)		

Values based on NGMN-P-BASTA (version 10.0) requirements.

B4, connector 7–8

Frequency Range	MHz	1695 – 1880	1850 – 1990	1920 – 2200
Gain	dBi	19.2 ± 0.9	19.7 ± 0.7	20.3 ± 1.2
Horizontal Pattern:				
Azimuth Beamwidth	°	12.0 ± 0.8	10.8 ± 0.9	10.2 ± 0.7
Front-to-Back Ratio, Total Power, ± 30°	dB	> 28	> 28	> 27
Cross Polar Discrimination at Boresight	dB	> 19	> 22	> 25
Vertical Pattern:				
Elevation Beamwidth	°	26.0 ± 0.8	25.0 ± 1.0	23.4 ± 2.0
Electrical Downtilt	°	5, fixed		
First Upper Side Lobe Suppression	dB	> 23	> 18	> 16
Cross Polar Isolation	dB	> 28		
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)		

Values based on NGMN-P-BASTA (version 10.0) requirements.

B5, connector 9–10

Frequency Range	MHz	1695 – 1880	1850 – 1990	1920 – 2200
Gain	dBi	18.6 ± 1.0	19.4 ± 0.9	19.9 ± 1.2
Horizontal Pattern:				
Azimuth Beamwidth	°	12.7 ± 0.3	11.7 ± 0.8	10.9 ± 0.6
Front-to-Back Ratio, Total Power, ± 30°	dB	> 23	> 24	> 24
Cross Polar Discrimination at Boresight	dB	> 18	> 24	> 28
Vertical Pattern:				
Elevation Beamwidth	°	25.6 ± 1.2	24.9 ± 0.6	23.2 ± 1.7
Electrical Downtilt	°	5, fixed		
First Upper Side Lobe Suppression	dB	> 20	> 19	> 15
Cross Polar Isolation	dB	> 28		
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)		

Values based on NGMN-P-BASTA (version 10.0) requirements.

B6, connector 11–12

Frequency Range	MHz	1695 – 1880	1850 – 1990	1920 – 2200
Gain	dBi	17.4 ± 0.8	18.2 ± 0.9	19.0 ± 1.2
Horizontal Pattern:				
Azimuth Beamwidth	°	16.1 ± 2.3	13.5 ± 0.6	12.6 ± 0.9
Front-to-Back Ratio, Total Power, ± 30°	dB	> 23	> 24	> 25
Cross Polar Discrimination at Boresight	dB	> 7	> 12	> 17
Vertical Pattern:				
Elevation Beamwidth	°	23.9 ± 2.8	24.9 ± 1.1	23.3 ± 2.4
Electrical Downtilt	°	5, fixed		
First Upper Side Lobe Suppression	dB	> 15	> 21	> 20
Cross Polar Isolation	dB	> 25		
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)		

Values based on NGMN-P-BASTA (version 10.0) requirements.

Electrical specifications, all systems

Impedance	Ω	50
VSWR		< 1.5
Return Loss	dB	> 14
Passive Intermodulation	dBc	< -153 (2 x 43 dBm carrier)
Polarization	°	+45, -45
Max. Effective Power for the Antenna	W	1000 (at 50 °C ambient temperature)

Values based on NGMN-P-BASTA (version 10.0) requirements.

Mechanical specifications

Input	12x 4.3-10 female	
Connector Position	bottom	
Wind load (at Rated Wind Speed: 150 km/h)	N lbf	Frontal 470 106 Lateral 55 12
Max. Wind Velocity	km/h mph	200 124
Height / Width / Depth	mm inches	378 / 864 / 111 14.9 / 34.0 / 4.4
Category of Mounting Hardware	XM * (X-Medium)	
Weight	kg lb	14.5 / 19.0 (clamps incl.) 32.0 / 41.9 (clamps incl.)
Packing Size	mm inches	474 x 959 x 238 18.7 x 37.8 x 9.4
Scope of Supply	Panel and 2 units of clamps for 55–115 mm 2.2–4.5 inches diameter	

* no downtilt possible

Accessories (order separately if required)

Product No.	Description	Remarks mm inches	Units per antenna
85010097	2 clamps	Mast diameter: 110 – 220 4.3 – 8.7	1

Accessories (included in the scope of supply)

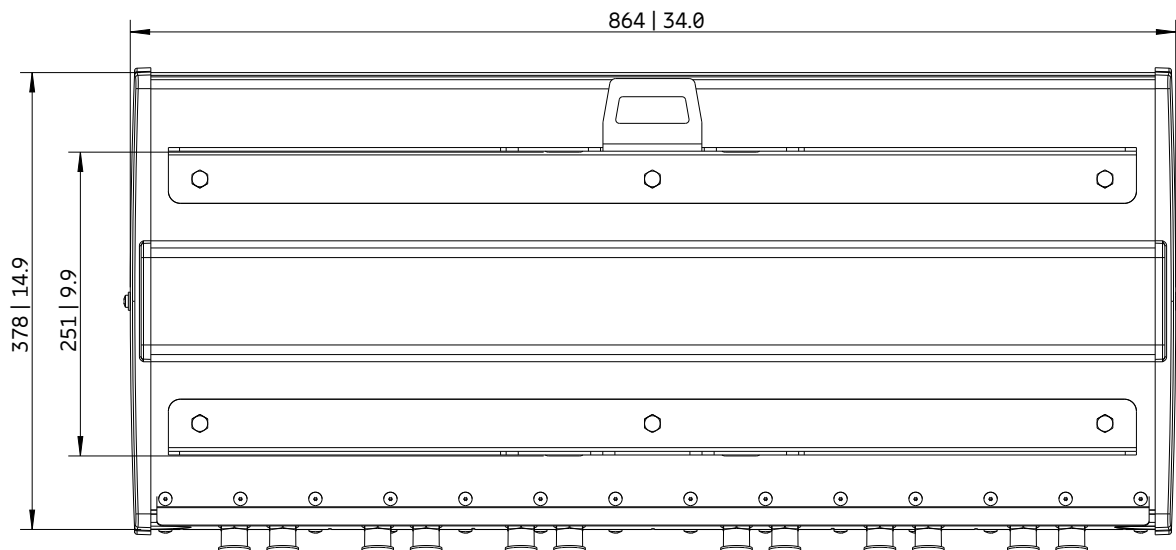
Product No.	Description	Remarks mm inches	Units per antenna
85010111	2 clamps	Mast diameter: 55–115 2.2–4.5	1

Material: Reflector screen: Aluminum.

Fiberglass housing: It covers totally the internal antenna components. The special design reduces the sealing areas to a minimum and guarantees the best weather protection. Fiberglass material guarantees optimum performance with regards to stability, stiffness, UV resistance and painting. The color of the radome is light grey.

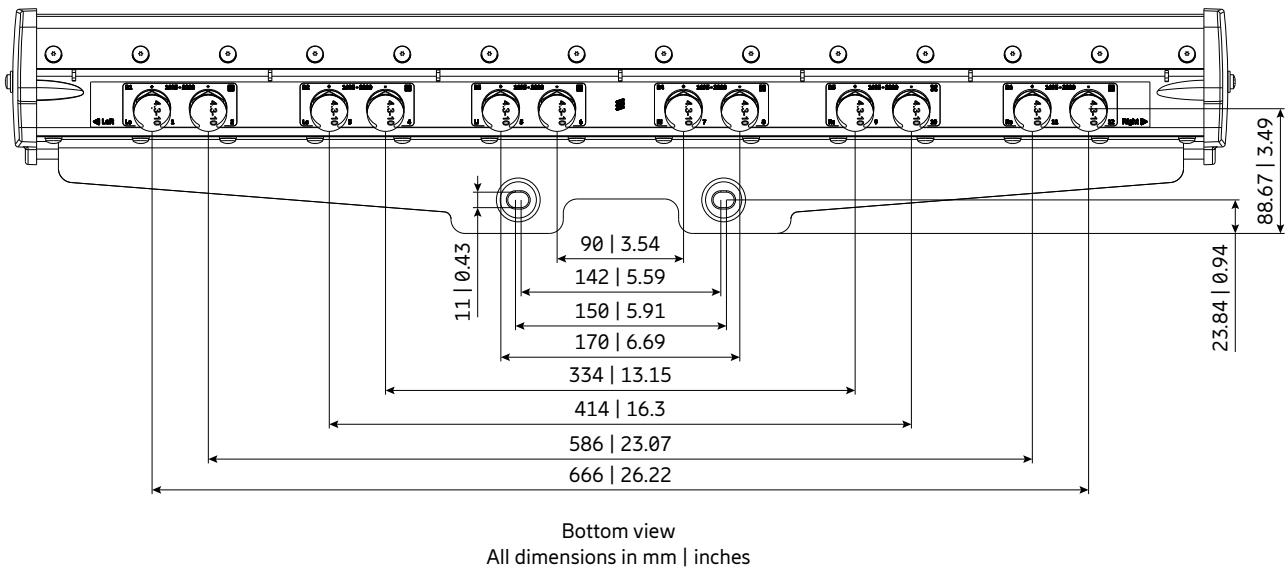
All nuts and bolts: Stainless steel or hot-dip galvanized steel.

Grounding: The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.



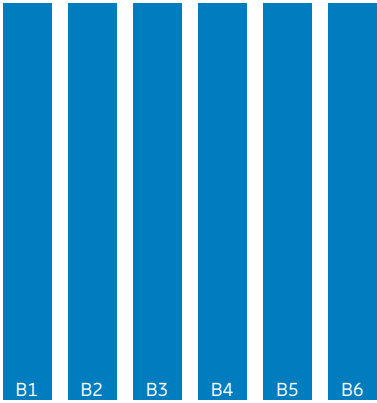
* Dimensions refer to radome
All dimensions in mm | inches

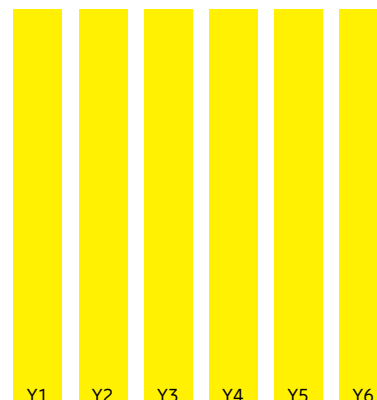
Layout of interface



Correlation Table

Frequency range	Array	Connector / Ports
1695–2200 MHz	B1	1–2
1695–2200 MHz	B2	3–4
1695–2200 MHz	B3	5–6
1695–2200 MHz	B4	7–8
1695–2200 MHz	B5	9–10
1695–2200 MHz	B6	11–12





Antenna 9010 0L 6M 0.4m

80010726

Capacity

Compact

Coverage

6x 2300–2690 MHz | 21.0 dBi



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		Y1, connector 1 – 2	
Frequency Range	MHz	2300 – 2400	2490 – 2690
Gain	dBi	20.3 ± 0.4	20.9 ± 0.7
Horizontal Pattern:			
Azimuth Beamwidth	°	10.5 ± 0.3	9.2 ± 0.6
Front-to-Back Ratio, Total Power, ± 30°	dB	> 23	> 24
Cross Polar Discrimination at Boresight	dB	> 22	> 14
Vertical Pattern:			
Elevation Beamwidth	°	18.8 ± 1.2	17.6 ± 1.3
Electrical Downtilt	°	7, fixed	7, fixed
First Upper Side Lobe Suppression	dB	> 16	> 13
Cross Polar Port Isolation	dB	> 28	
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)	

Values based on NGMN-P-BASTA (version 10.0) requirements.

		Y2, connector 3 – 4	
Frequency Range	MHz	2300 – 2400	2490 – 2690
Gain	dBi	21.3 ± 0.6	21.7 ± 1.0
Horizontal Pattern:			
Azimuth Beamwidth	°	9.1 ± 0.2	8.2 ± 0.4
Front-to-Back Ratio, Total Power, ± 30°	dB	> 27	> 25
Cross Polar Discrimination at Boresight	dB	> 24	> 14
Vertical Pattern:			
Elevation Beamwidth	°	19.6 ± 0.9	17.7 ± 1.0
Electrical Downtilt	°	7, fixed	7, fixed
First Upper Side Lobe Suppression	dB	> 17	> 15
Cross Polar Port Isolation	dB	> 28	
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)	

Values based on NGMN-P-BASTA (version 10.0) requirements.

Y3, connector 5–6

Frequency Range	MHz	2300 – 2400	2490 – 2690
Gain	dBi	21.5 ± 0.8	21.6 ± 1.0
Horizontal Pattern:			
Azimuth Beamwidth	°	8.8 ± 0.1	7.9 ± 0.3
Front-to-Back Ratio, Total Power, ± 30°	dB	> 28	> 26
Cross Polar Discrimination at Boresight	dB	> 26	> 16
Vertical Pattern:			
Elevation Beamwidth	°	20.0 ± 0.9	18.0 ± 0.8
Electrical Downtilt	°	7, fixed	7, fixed
First Upper Side Lobe Suppression	dB	> 15	> 16
Cross Polar Port Isolation	dB	> 28	
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)	

Values based on NGMN-P-BASTA (version 10.0) requirements.

Y4, connector 7–8

Frequency Range	MHz	2300 – 2400	2490 – 2690
Gain	dBi	21.5 ± 0.7	21.6 ± 1.3
Horizontal Pattern:			
Azimuth Beamwidth	°	8.6 ± 0.1	7.9 ± 0.3
Front-to-Back Ratio, Total Power, ± 30°	dB	> 26	> 25
Cross Polar Discrimination at Boresight	dB	> 28	> 15
Vertical Pattern:			
Elevation Beamwidth	°	20.0 ± 0.7	17.9 ± 0.7
Electrical Downtilt	°	7, fixed	7, fixed
First Upper Side Lobe Suppression	dB	> 14	> 15
Cross Polar Port Isolation	dB	> 28	
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)	

Values based on NGMN-P-BASTA (version 10.0) requirements.

Y5, connector 9–10

Frequency Range	MHz	2300 – 2400	2490 – 2690
Gain	dBi	20.9 ± 0.7	21.4 ± 0.9
Horizontal Pattern:			
Azimuth Beamwidth	°	9.2 ± 0.2	8.4 ± 0.3
Front-to-Back Ratio, Total Power, ± 30°	dB	> 23	> 24
Cross Polar Discrimination at Boresight	dB	> 23	> 15
Vertical Pattern:			
Elevation Beamwidth	°	19.6 ± 0.7	17.7 ± 1.1
Electrical Downtilt	°	7, fixed	7, fixed
First Upper Side Lobe Suppression	dB	> 15	> 13
Cross Polar Port Isolation	dB	> 28	
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)	

Values based on NGMN-P-BASTA (version 10.0) requirements.

Y6, connector 11–12

Frequency Range	MHz	2300 – 2400	2490 – 2690
Gain	dBi	20.5 ± 0.7	21.0 ± 0.8
Horizontal Pattern:			
Azimuth Beamwidth	°	10.5 ± 0.2	9.3 ± 0.5
Front-to-Back Ratio, Total Power, ± 30°	dB	> 24	> 25
Cross Polar Discrimination at Boresight	dB	> 21	> 13
Vertical Pattern:			
Elevation Beamwidth	°	18.5 ± 1.2	17.5 ± 1.5
Electrical Downtilt	°	7, fixed	7, fixed
First Upper Side Lobe Suppression	dB	> 15	> 11
Cross Polar Port Isolation	dB	> 28	
Max. Effective Power per Port	W	200 (at 50 °C ambient temperature)	

Values based on NGMN-P-BASTA (version 10.0) requirements.

Electrical specifications, all systems

Impedance	Ω	50
VSWR		< 1.5
Return Loss	dB	> 14
Passive Intermodulation	dBc	< -153 (2 x 43 dBm carrier)
Polarization	°	+45, -45
Max. Effective Power for the Antenna	W	1000 (at 50 °C ambient temperature)

Values based on NGMN-P-BASTA (version 10.0) requirements.

Mechanical specifications

Input	12x 4.3-10 female	
Connector Position	bottom	
Wind load (at Rated Wind Speed: 150 km/h)	N lbf	Frontal 470 106 Lateral 55 112
Max. Wind Velocity	km/h mph	200 124
Height / Width / Depth	mm inches	378 / 864 / 111 14.9 / 34.0 / 4.4
Category of Mounting Hardware	XM * (X-Medium)	
Weight	kg lb	14.8 / 19.3 (clamps incl.) 32.6 / 42.5 (clamps incl.)
Packing Size	mm inches	474 x 959 x 238 18.7 x 37.8 x 9.4
Scope of Supply	Panel and 2 units of clamps for 55–115 mm 2.2–4.5 inches diameter	

* no downtilt possible

Accessories (order separately if required)

Product No.	Description	Remarks mm inches	Units per antenna
85010097	2 clamps	Mast diameter: 110 – 220 4.3 – 8.7	1

Accessories (included in the scope of supply)

Product No.	Description	Remarks mm inches	Units per antenna
85010111	2 clamps	Mast diameter: 55–115 2.2–4.5	1

Material:

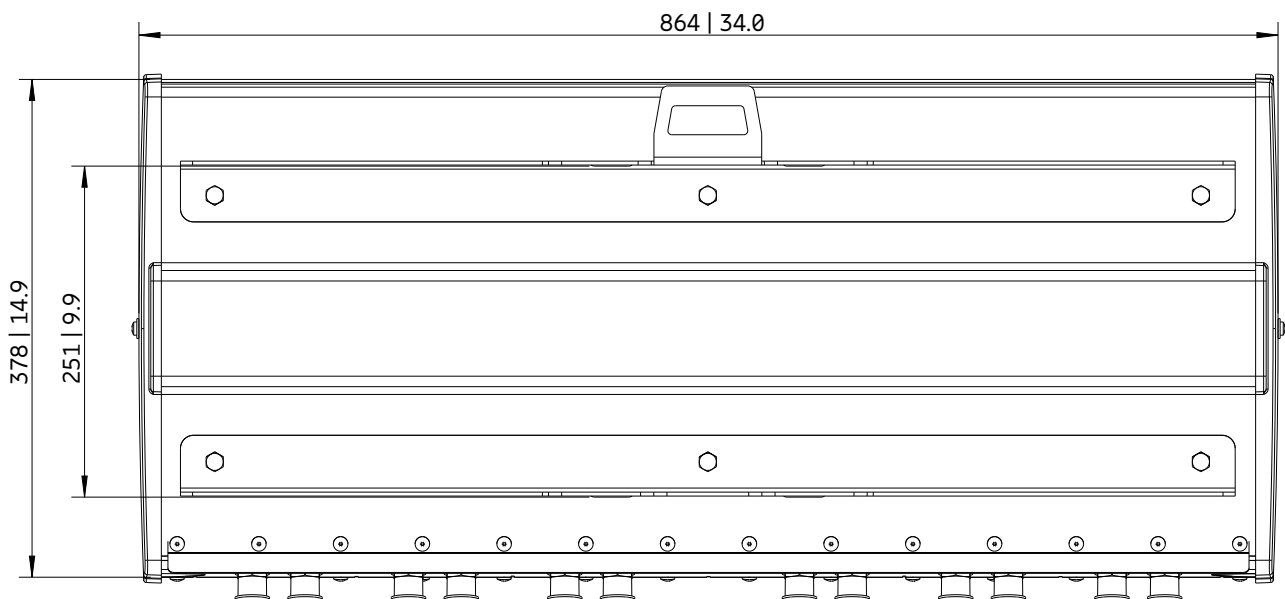
Reflector screen: Aluminum.

Fiberglass housing: It covers totally the internal antenna components. The special design reduces the sealing areas to a minimum and guarantees the best weather protection. Fiberglass material guarantees optimum performance with regards to stability, stiffness, UV resistance and painting. The color of the radome is light grey.

All nuts and bolts: Stainless steel or hot-dip galvanized steel.

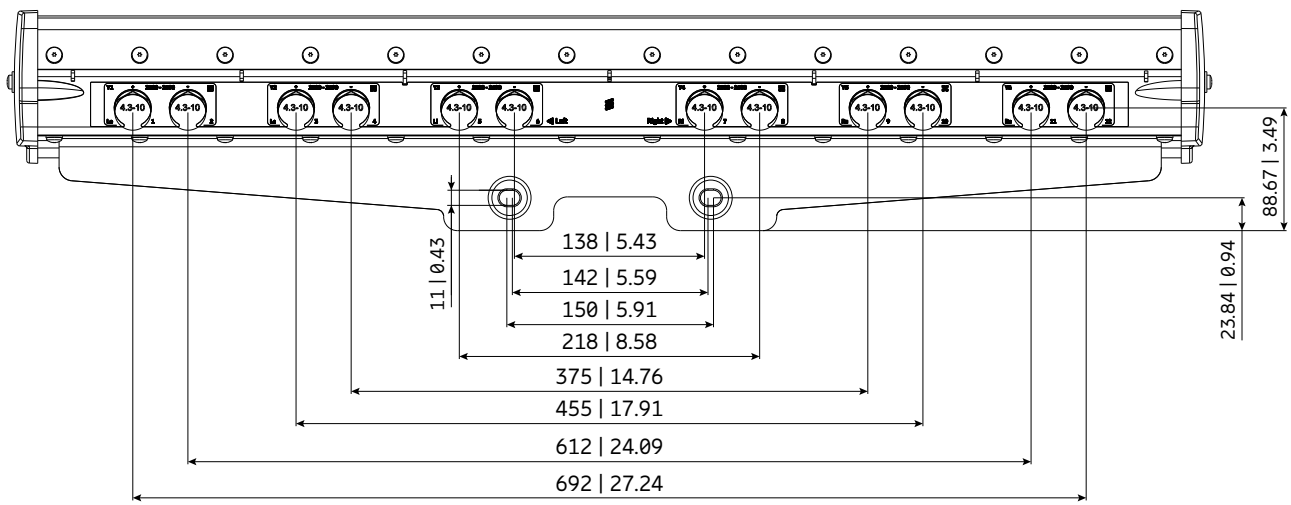
Grounding:

The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.



* Dimensions refer to radome
All dimensions in mm | inches

Layout of interface



Bottom view
All dimensions in mm | inches

Correlation Table

Frequency range	Array	Connector / Ports
2300–2690 MHz	Y1	1–2
2300–2690 MHz	Y2	3–4
2300–2690 MHz	Y3	5–6
2300–2690 MHz	Y4	7–8
2300–2690 MHz	Y5	9–10
2300–2690 MHz	Y6	11–12



Antenna 9003 1LM 0.43m

80020448

Capacity

Compact

Coverage

65° | 694–960 MHz | 5.0 dBi

65° | 1710–2690 MHz | 5.0 dBi



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Input		1 x 4.3-10 female
Frequency range	MHz	694 – 960, 1710 – 2690
VSWR		694 – 960 MHz: < 2.0 1710 – 2690 MHz: < 1.7
Gain	dBi	694 – 806 MHz: 5.0 806 – 960 MHz: 5.5 1710 – 2690 MHz: 6.5
Impedance	Ω	50
Polarization		Vertical
Intermodulation IM3	dBc	< -150 (2 x 43 dBm carrier)
Max. power (total)	W	200 (at 50 °C ambient temperature)
Weight	kg lb	1.1 2.4
Wind load (at 150 km/h)	N lbf	Frontal: 30 6.7 Lateral: 70 15.7 Rearside: 35 7.9
Max. wind velocity	km/h mph	200 124
Packing size	mm inches	450 x 205 x 110 17.7 x 8.1 x 4.3
Height/width/depth	mm inches	428 / 180 / 79 16.9 / 7.1 / 3.1
Fire load	kWh	4.46

Material:

Radiator: Tin-plated copper.
Reflector: Weather-proof aluminum.
Radome: High impact plastic, color: Grey.
All screws and nuts: Stainless steel.

Mounting:

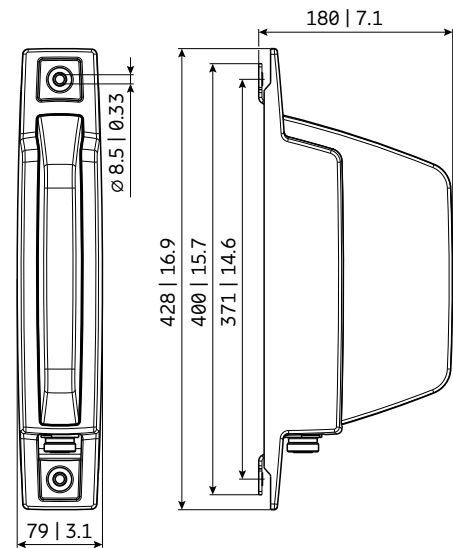
Wall mounting: Now additional mounting kit needed.
For pipe mast mounting use clamps listed below (order separately).

Ice protection:

The radiating system is protected by the radome. Due to its very sturdy construction, the antenna remains operational even under icy conditions.

Grounding:

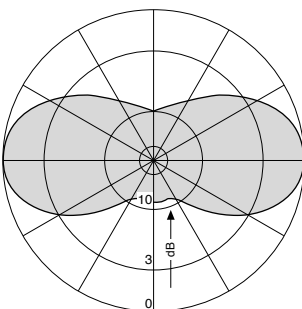
All metal parts of the antenna as well as the inner conductor are DC grounded.



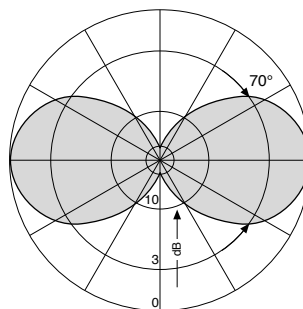
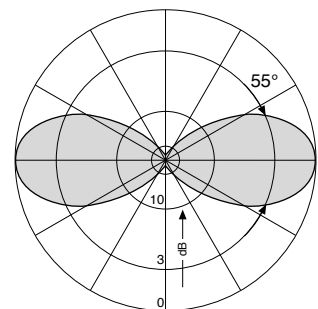
All dimensions in mm | inches

Accessories (order separately if required)

Product No.	Description	Mast diameter mm inches	Units per antenna
734360	2 clamps	34–60 1.3–2.4	1
734364	2 clamps	120–140 4.7–5.5	1
734365	2 clamps	45–125 1.8–4.9	1



Horizontal Pattern


Vertical Pattern
694–960 MHz

Vertical Pattern
1710–2690 MHz



Antenna 9005 0L 4M

80010234

Capacity

Compact

Coverage

360° | 4x 1695–2690/3300–4200/5150–5920 MHz | 5.0 dBi



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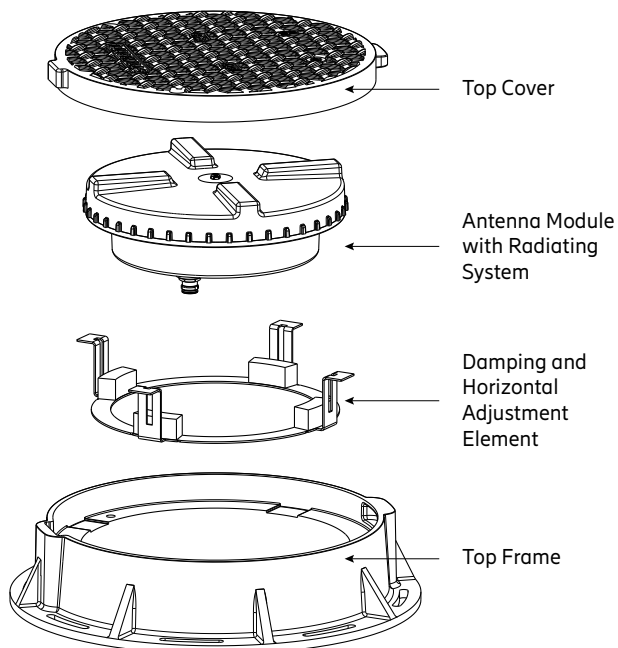
Use Case		In-Ground Installation, High traffic urban areas			
Midband		O1, connector 1; O2, connector 2; O3, connector 3; O4, connector 4			
Frequency Range	MHz	1695 – 2200	2200 – 2690	3300 – 4200	5150 – 5920
Max. Gain (Free Space)	dBi	7.0	9.5	7.5	8.0
Horizontal Pattern		Quasi Omni	Quasi Omni	Quasi Omni	Quasi Omni
Vertical Pattern		Several main lobes above ground level	Several main lobes above ground level	Several main lobes above ground level	Several main lobes above ground level
Isolation between all Ports	dB	> 20	> 20	> 20	> 20
Max. Effective Power per Port	W	20 (at 50 °C ambient temperature)	20 (at 50 °C ambient temperature)	10 (at 50 °C ambient temperature)	5 (at 50 °C ambient temperature)

Electrical specifications, all systems

Impedance	Ω	50
VSWR		< 1.7
Return Loss	dB	> 11.7
Passive Intermodulation	dBc	1695 – 2690 MHz: < -153 (2 x 43 dBm carrier) 3300 – 4200 MHz: < -153 (2 x 40 dBm carrier) 5150 – 5920 MHz: not relevant
Polarization		4 x vertical
Max. Effective Power for the Antenna	W	40 (at 50 °C ambient temperature)

Mechanical specifications

Input		4x 4.3-10 female
Connector Position		Bottom
Adjustment Mechanism Horizontal		Set by hand, 9° steps
Feeder Cables		Tightening torque of 4.3-10 connectors is 5–8 Nm
Top Cover Diameter / Height	mm inches	375 / 32 14.8 / 1.3
Top Frame Outer / Inner Diameter / Height	mm inches	480 / 315 / 100 18.9 / 12.4 / 3.9
Antenna Modul Diameter / Height	mm inches	310 / 142 12.2/5.6
Weight Antenna Module	kg lb	2.9 6.4
Weight Complete System	kg lb	13.3 29.3
IP Protection Class		IP 68 (with appropriate feeder cable connector)
Max. Load Top Cover	kN	50 (without permanent deformation, according EN 124 – Class D400)



Mounting:

Follow the installation guidelines for Polieco Kio D400 / EN 124 top cover and frame. Feeder cable to be installed strain-relieved. Maximum force 5 N per cable. Avoid mounting locations where obstructions may have impact on the antenna performance, e.g. parking cars.

Recommended tightening torque for the cover screws (2x): 50 Nm.

Attention: Please follow the mounting and instruction guidelines carefully. Liability cannot be assumed for damages as a result of unsatisfactory fitting and installation, improper putting into service, incorrect operation and maintenance, as well as any alterations or modifications carried out by the operator and accessory parts by the customer.

Remark:

All electrical values are stated for the complete system with top frame and cover.

Preliminary Issue



Antenna 9012 1LM

KRE 101 2572/1

Capacity

Compact

Coverage

65° | 617–960 MHz | 4.5 dBi

65° | 1427–1518 MHz | 5.5 dBi

65° | 1695–2690 MHz | 7.0 dBi

65° | 3300–4200 MHz | 8.0 dBi

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Input		1 x 4.3-10 female
Frequency range	MHz	617 – 960, 1427 – 1518, 1695 – 2690, 3300 – 4200
VSWR		617 – 960 MHz: < 1.8 1427 – 1518 MHz: < 1.7 1695 – 2690 MHz: < 1.7 3300 – 4200 MHz: < 1.9
Gain	dBi	617 – 806 MHz: 3.5 806 – 960 MHz: 5.5 1427 – 1518 MHz: 5.5 1695 – 2690 MHz: 7.0 3300 – 4200 MHz: 8.0
Impedance	Ω	50
Polarization		Vertical
Intermodulation IM3	dBc	< -150 (2 x 43 dBm carrier)
Max. power (total)	W	200 (at 50 °C ambient temperature)
Weight	kg lb	1.1 2.4
Wind load (at 150 km/h)	N lbf	Frontal: 30 6.7 Lateral: 70 15.7 Rearside: 35 7.9
Max. wind velocity	km/h mph	241 150
Packing size	mm inches	450 x 205 x 110 17.7 x 8.1 x 4.3
Height/width/depth	mm inches	428 / 180 / 79 16.9 / 7.1 / 3.1

Material:

Radiator: PCB (Printed Circuit Board).
Reflector: Weather-proof aluminum.
Radome: High impact plastic, color: Grey.
All screws and nuts: Stainless steel.

Mounting:

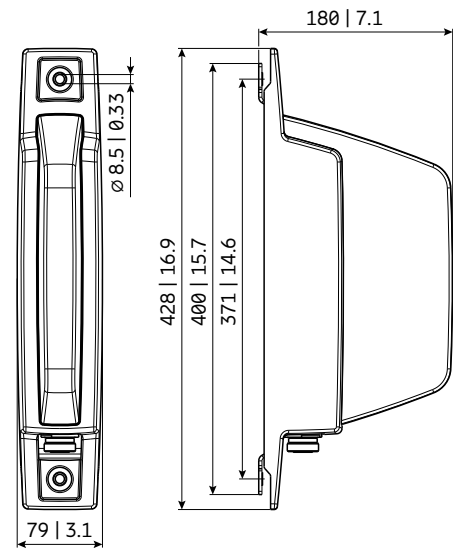
Wall mounting: Now additional mounting kit needed.
 For pipe mast mounting use clamps listed below (order separately).

Ice protection:

The radiating system is protected by the radome. Due to its very sturdy construction, the antenna remains operational even under icy conditions.

Grounding:

All metal parts of the antenna as well as the inner conductor are DC grounded.



All dimensions in mm | inches

Accessories (order separately if required)

Product No.	Description	Mast diameter mm inches	Units per antenna
734360	2 clamps	34–60 1.3–2.4	1
734364	2 clamps	120–140 4.7–5.5	1
734365	2 clamps	45–125 1.8–4.9	1



Antenna 9014 2L 4M 0.5m

KRE 101 2570/1

Capacity

Compact

Coverage

65° | 2x 690–960 MHz | 8.0 dBi
65° | 2x 1695–2690 MHz | 11.7 dBi
65° | 2x 3300–4200 MHz | 11.7 dBi



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Center, lower lowband		R1, connector 1–2			
Frequency Range	MHz	690 – 806	791 – 862	824 – 894	880 – 960
Gain	dBi	7.1 ± -0.3	7.4 ± -0.3	7.6 ± -0.7	7.8 ± -0.5
Horizontal Pattern:					
Azimuth Beamwidth	°	71.3 ± 6.2	66.2 ± 2.7	67.2 ± 3.7	68.6 ± 3.3
Front-to-Back Ratio, Total Power, ± 30°	dB	> 15.5	> 17.9	> 18.1	> 20.7
Cross Polar Discrimination at Boresight	dB	> 15.1	> 16.2	> 16.8	> 15.9
Vertical Pattern:					
Elevation Beamwidth	°	75.9 ± 12.2	80.4 ± 10.9	77.2 ± 3.1	69.5 ± 7.5
Electrical Downtilt	°	0; fixed			
Intra-Cluster Isolation	dB	> 25			
Inter-Cluster Isolation	dB	> 20 (R1 // R2) > 25 (R1 // Y1, Y2, P1, P2)			
Max. Effective Power per Port	W	200 (at 50° C ambient temperature)			
Max. Effective Power Ports R1	W	400 (at 50° C ambient temperature)			

Values based on NGMN-P-BASTA (version 11.1) requirements.

Center, upper lowband		R2, connector 3–4			
Frequency Range	MHz	690 – 806	791 – 862	824 – 894	880 – 960
Gain	dBi	7.5 ± -0.4	7.9 ± -0.4	8 ± -0.7	7.8 ± -0.8
Horizontal Pattern:					
Azimuth Beamwidth	°	68.8 ± 6.1	67.2 ± 3	68.8 ± 2.0	71.2 ± 3.5
Front-to-Back Ratio, Total Power, ± 30°	dB	> 15.6	> 17.6	> 17.1	> 19
Cross Polar Discrimination at Boresight	dB	> 21.3	> 23.5	> 21.3	> 14.9
Vertical Pattern:					
Elevation Beamwidth	°	79.5 ± 4.4	76 ± 2.6	76.5 ± 1.9	77.9 ± 2.2
Electrical Downtilt	°	0; fixed			
Intra-Cluster Isolation	dB	> 25			
Inter-Cluster Isolation	dB	> 20 (R2 // R1, Y1) > 25 (R2 // Y2, P1, P2)			
Max. Effective Power per Port	W	200 (at 50° C ambient temperature)			
Max. Effective Power Ports R2	W	400 (at 50° C ambient temperature)			

Values based on NGMN-P-BASTA (version 11.1) requirements.

Left side, upper midband

Y1, connector 5–6

Frequency Range	MHz	1695 – 1880	1850 – 1990	1920 – 2200	2300 – 2400	2490 – 2690
Gain	dBi	11.0 ± 0.0	11.2 ± 0.2	10.9 ± 0.3	11.6 ± -0.4	11.7 ± 0.0
Horizontal Pattern:						
Azimuth Beamwidth	°	65.5 ± 6.3	63.2 ± 11.2	71 ± 11	61.0 ± 8.6	63.6 ± 5.2
Front-to-Back Ratio, Total Power, ± 30°	dB	> 23.2	> 24.6	> 25	> 26.8	> 26
Cross Polar Discrimination at Boresight	dB	> 16.2	> 18.9	> 16.6	> 18.8	> 19.6
Vertical Pattern:						
Elevation Beamwidth	°	32.4 ± 4.4	30.2 ± 2.7	30.5 ± 2.8	25.3 ± 1.7	24.3 ± 1.7
Electrical Downtilt	°	0; fixed				
Intra-Cluster Isolation	dB	> 25				
Inter-Cluster Isolation	dB	> 20 (Y1 // R2) > 25 (Y1 // R1, Y2, P1, P2)				
Max. Effective Power per Port	W	150 (at 50° C ambient temperature)				
Max. Effective Power Ports Y1	W	300 (at 50° C ambient temperature)				

Values based on NGMN-P-BASTA (version 11.1) requirements.

Right side, upper midband

Y2, connector 7–8

Frequency Range	MHz	1695 – 1880	1850 – 1990	1920 – 2200	2300 – 2400	2490 – 2690
Gain	dBi	10.8 ± -0.1	11.1 ± 0.2	11.1 ± 0.3	11.8 ± 0.0	11.7 ± 0.0
Horizontal Pattern:						
Azimuth Beamwidth	°	68.6 ± 3.4	67.7 ± 8.4	69.8 ± 9.9	63.4 ± 6.6	61.3 ± 3.5
Front-to-Back Ratio, Total Power, ± 30°	dB	> 20.2	> 22.8	> 23.4	> 26.7	> 25.8
Cross Polar Discrimination at Boresight	dB	> 17.8	> 21.3	> 17.6	> 18.4	> 17.7
Vertical Pattern:						
Elevation Beamwidth	°	32.1 ± 4.1	30.5 ± 2.1	30.1 ± 3.3	26.1 ± 2	24.3 ± 2.7
Electrical Downtilt	°	0; fixed				
Intra-Cluster Isolation	dB	> 25				
Inter-Cluster Isolation	dB	> 25 (Y2 // R1, R2, Y1, P1, P2)				
Max. Effective Power per Port	W	150 (at 50° C ambient temperature)				
Max. Effective Power Ports Y2	W	300 (at 50° C ambient temperature)				

Values based on NGMN-P-BASTA (version 11.1) requirements.

Left side, lower midband

P1, connector 9–10

Frequency Range	MHz	3300 – 3400	3400 – 3600	3600 – 3800	3800 – 4000	4000 – 4200
Gain	dBi	10.9 ± 0.1	11.4 ± 0.2	11.6 ± 0.2	11.6 ± -0.2	11.7 ± 0.0
Horizontal Pattern:						
Azimuth Beamwidth	°	55.7 ± 10.8	56.1 ± 5.3	57.7 ± 5.1	51.7 ± 13.3	39.0 ± 9.3
Front-to-Back Ratio, Total Power, ± 30°	dB	> 19.7	> 21.7	> 20.6	> 19.1	> 19.6
Cross Polar Discrimination at Boresight	dB	> 13.4	> 18.5	> 18.1	> 13.0	> 12
Vertical Pattern:						
Elevation Beamwidth	°	26.7 ± 6.2	31.4 ± 3.6	31.2 ± 2.3	28.2 ± 2.5	29.4 ± 5
Electrical Downtilt	°	0; fixed				
Intra-Cluster Isolation	dB	> 25				
Inter-Cluster Isolation	dB	> 25 (P1 // R1, R2, Y1, Y2, P2)				
Max. Effective Power per Port	W	50 (at 50° C ambient temperature)				
Max. Effective Power Ports P1	W	100 (at 50° C ambient temperature)				

Values based on NGMN-P-BASTA (version 11.1) requirements.

Right side, lower midband

P2, connector 11–12

Frequency Range	MHz	3300 – 3400	3400 – 3600	3600 – 3800	3800 – 4000	4000 – 4200
Gain	dBi	10.4 ± 0.3	11.3 ± -0.2	11.6 ± 0.1	11.5 ± 0.2	11.6 ± 0.2
Horizontal Pattern:						
Azimuth Beamwidth	°	63.4 ± 6.4	56.1 ± 5.1	56.7 ± 3.8	51.1 ± 11.7	42.3 ± 9.7
Front-to-Back Ratio, Total Power, ± 30°	dB	> 20	> 21.7	> 19.7	> 17.8	> 19.2
Cross Polar Discrimination at Boresight	dB	> 14.3	> 17.2	> 15.7	> 11.1	> 13.7
Vertical Pattern:						
Elevation Beamwidth	°	30 ± 5.1	30.2 ± 3.2	31.0 ± 4.3	26.1 ± 5.0	28.0 ± 5.4
Electrical Downtilt	°	0; fixed				
Intra-Cluster Isolation	dB	> 25				
Inter-Cluster Isolation	dB	> 25 (P2 // R1, R2, Y1, Y2, P1)				
Max. Effective Power per Port	W	50 (at 50° C ambient temperature)				
Max. Effective Power Ports P2	W	100 (at 50° C ambient temperature)				

Values based on NGMN-P-BASTA (version 11.1) requirements.

Electrical specifications, all ports

Impedance	Ω	50
VSWR		< 1.5
Return Loss	dB	> 14
Inter-Cluster Isolation	dB	> 20
Passive Intermodulation	dBc	< -153 (2 x 43 dBm carrier)
Polarization	°	+45, -45
Max. Effective Power for the Antenna	W	800 (at 50° C ambient temperature)

Values based on NGMN-P-BASTA (version 11.1) requirements.

Mechanical specifications

Input	12x 4.3-10 female	
Connector Position	bottom	
Wind load (at Rated Wind Speed: 150 km/h)	N lbf	Maximal: 190 43 Frontal: 110 25
Wind Load Standard	EN 1994-1-4	
Wind Load Laboratory	TU Dresden; Göttinger-type wind tunnel	
Max. Wind Velocity	km/h mph	324 201
Height / Width / Depth	mm inches	500 / 378 / 164 19.7 / 14.9 / 6.5
Category of Mounting Hardware	XM (X-Medium)	
Weight	kg lb	9.6 / 10.1 (clamps incl.) 21.2 / 22.2 (clamps incl.)
Packing Size	mm inches	634 / 449 / 307 24.9 / 17.7 / 12.1
Scope of Supply	Panel and 2 units of clamps for 55–115 mm 2.2–4.5 inches diameter	

Accessories (order separately if required)

Product No.	Description	Remarks mm inches	Units per antenna
85010097	2 clamps	Mast diameter: 110–220 4.3–8.7	1
85010110	1 downtilt kit	Downtilt angle: 0°–20°	1

Accessories (included in the scope of supply)

Product No.	Description	Remarks mm inches	Units per antenna
85010111	2 clamps	Mast diameter: 55–115 2.2–4.5	1

For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit.
Wall mounting: No additional mounting kit needed.

Material:

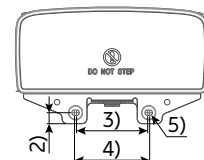
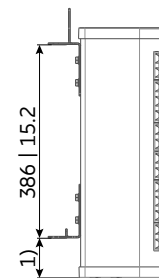
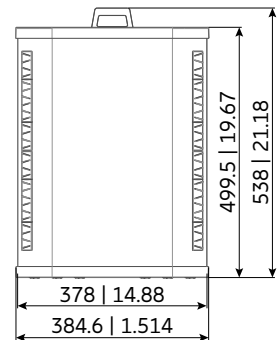
Reflector screen: Aluminum.

Fiberglass housing: It covers totally the internal antenna components. The special design reduces the sealing areas to a minimum and guarantees the best weather protection. Fiberglass material guarantees optimum performance with regards to stability, stiffness, UV resistance and painting. The color of the radome is light grey.

All nuts and bolts: Stainless steel or hot-dip galvanized steel.

Grounding:

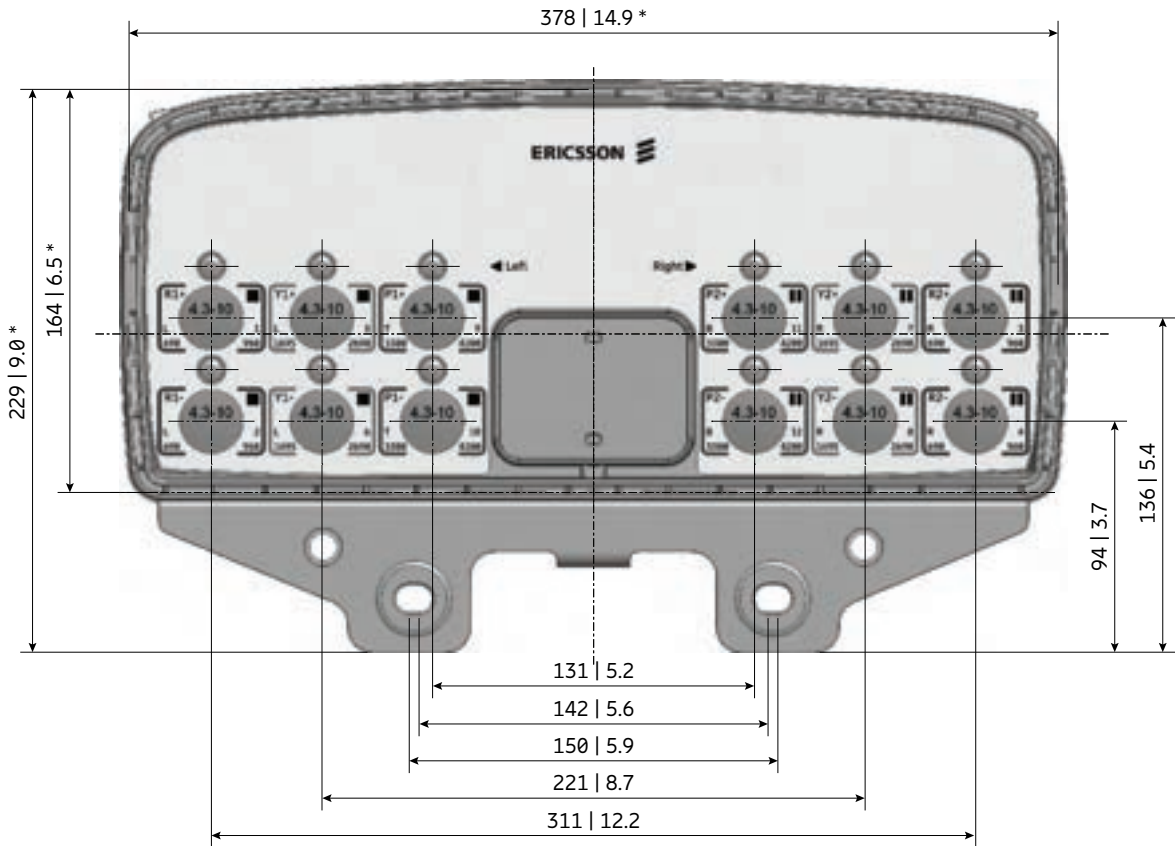
The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.



- 1) 79 | 3.1
2) 22 | 0.9
3) 142 | 5.6
4) 150 | 5.9
5) 11 | 0.4

All dimensions
in mm | inches

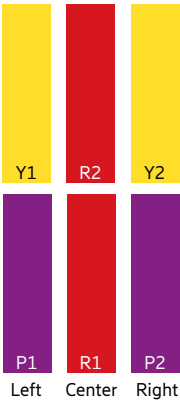
Layout of interface



Bottom view
* Dimensions refer to radome
All dimensions in mm | inches

Correlation Table

Frequency range	Array	Connector / Ports
690–960 MHz	R1	1–2
690–960 MHz	R2	3–4
1695–2690 MHz	Y1	5–6
1695–2690 MHz	Y2	7–8
3200–4200 MHz	P1	9–10
3200–4200 MHz	P2	11–12





Antenna 9000 1LM

742192V02

Capacity

Compact

Coverage

67° | 690–2690 MHz | 11.0 dBi



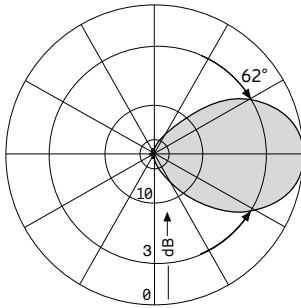
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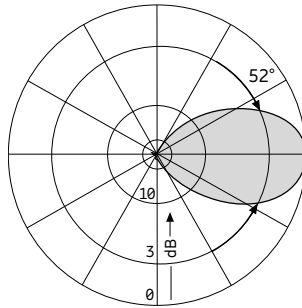
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Frequency range	MHz	690 – 880	880 – 960	960 – 1695	1695 – 2200	2200 – 2490	2490 – 2690
VSWR		< 1.6	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Gain	dBi	10.1	10.6	11.0	11.0	11.0	11.0
Impedance	Ω	50	50	50	50	50	50
Polarization		Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Front-to-back ratio	db	> 25	> 25	> 25	> 25	> 22	> 25
Half-power beam width horizontal vertical	°	69 54	64 53	57 50	53 48	47 46	45 44
Intermodulation IM3 (2 x 43 dBm carrier)	dBc	< -150	< -150	< -150	< -150	< -150	< -150
Max. power	W	300	300	250	200	170	150
Total power	W	500 (at 50 °C ambient temperature)					

690 – 1695 MHz

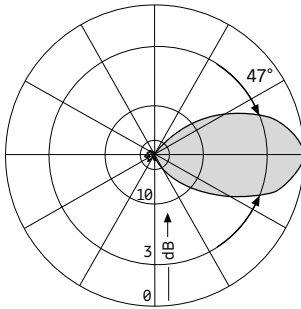


Horizontal Pattern

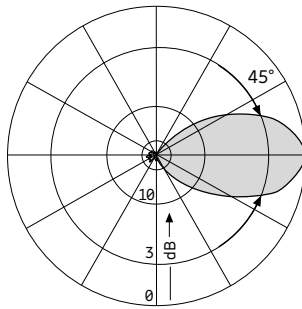


Vertical Pattern

1695 – 2690 MHz



Horizontal Pattern



Vertical Pattern

Mechanical specifications

Input	1 x 7-16 female		
Connector position	Bottom		
Wind load (at Rated Wind Speed: 150 km/h)	N lbf	Frontal Lateral Rearside	20 4 210 47 30 7
Max. wind velocity	km/h mph	241 150	
Height / width / depth	mm inches	300 / 155 / 785 11.8 / 6.1 / 30.9	
Weight	kg lb	5.5 12.1	
Packing size	mm inches	360 x 175 x 1000 14.2 x 6.9 x 39.4	

Material: **Radiator:** Tin-plated copper. **Reflector screen:** Weather-proof aluminum.
Radome: Fiberglass, color: Grey.
All screws and nuts: Stainless steel

Mounting: The antenna can be mounted on tubular mast with supplied clamps:

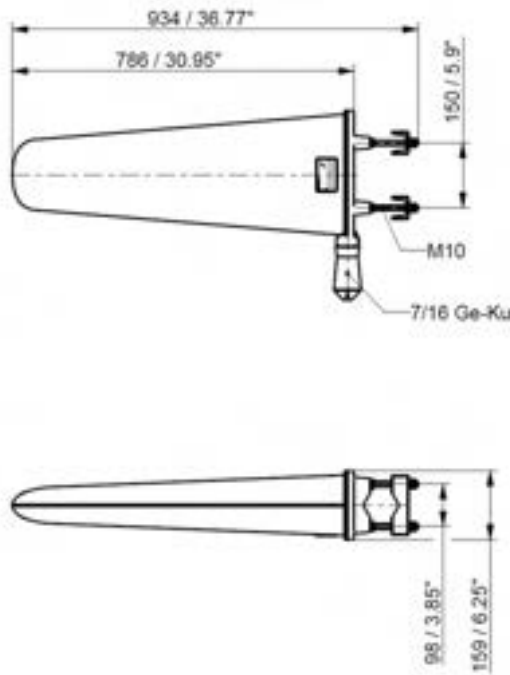
Mast diameter mm inches	Wind speed km/h mph
30–70 1.2–2.8	< 200 124
48–70 1.9–2.8	< 241 150

Recommended Torque: $M_A = 25 \text{ Nm}$.
Please note: Ericsson does not recommend to use counter nuts.

Grounding: All metal parts of the antenna as well as the inner conductor are DC grounded.

Environmental tests: Ericsson antennas have passed environmental tests as recommended in ETS 300 019-2-4.
The homogenous design of Ericsson's antenna families use identical modules and materials.
Extensive tests have been performed on typical samples and modules.

Pressure test: The antenna has passed a pressure test according to Official Journal of the European Communities L245/171 from 12.09.2002 for the use of the antenna in train tunnels for high speed railways.
During test the antenna was subject to alternating pressure with a number of 1×10^6 alternations of load.
The antenna exceeds the standard as follows:
Pressure difference according to L245/171: 10 kPa
Pressure difference during test: 20 kPa



All dimensions in mm / inches



Antenna 9008 1LM

80010828V01

Capacity

Compact

Coverage

38°/ 28° | 790–960 MHz | 14.0 dBi
38°/ 28° | 1710–2170 MHz | 15.5 dBi



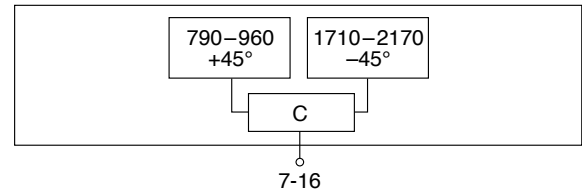
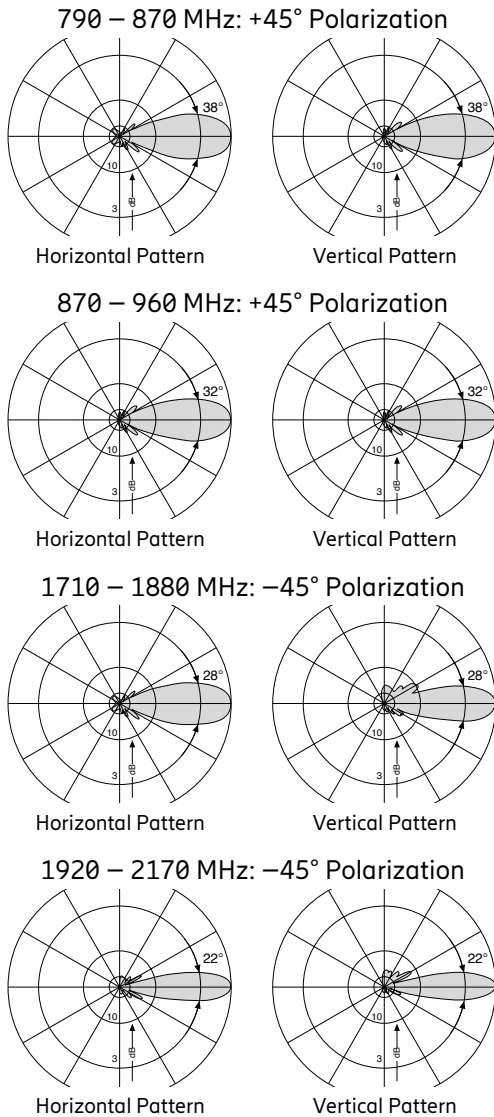
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Frequency range	MHz	790 – 870	870 – 960	1710 – 1880	1920 – 2170
VSWR		< 1.5	< 1.5	< 1.5	< 1.5
Gain (average)	dBi	13	14	13	15.5
Impedance	Ω	50	50	50	50
Polarization	°	+45	+45	−45	−45
Front-to-back ratio	dB	≥ 25	≥ 25	≥ 27	≥ 27
Half-power beam width (avg.) horizontal vertical	°	38 38	32 32	28 28	22 22
Max. power	W	85 (at 50 °C ambient temperature)		15 (at 50 °C ambient temperature)	
Integrated combiner		The insertion loss is included in the given antenna gain values.			

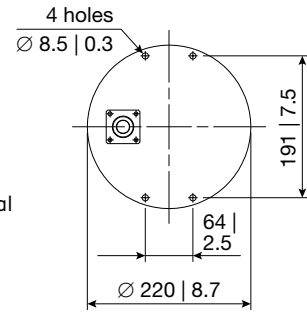
Please note: This antenna is suitable for tunnel applications.



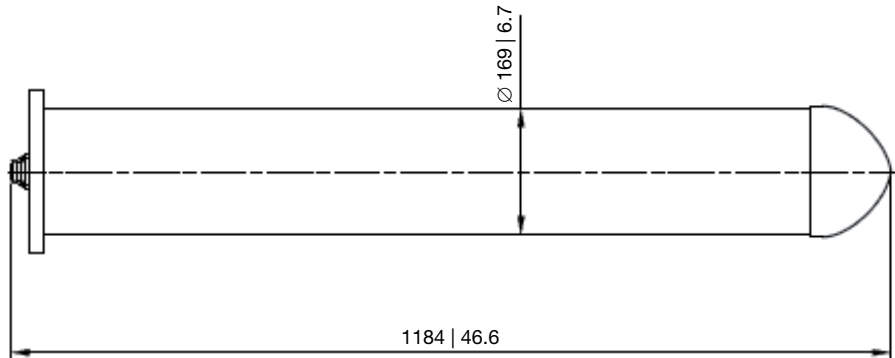
Mechanical specifications

Input	1 x 7-16 female	
Connector position	Rearside	
Wind load (at Rated Wind Speed: 150 km/h)	N lbf	200 45
Max. wind velocity	km/h mph	215 134
Dimensions	mm inches	1184 / Ø 170 46.6 / Ø 6.7
Weight	kg lb	6 / 10 (clamps incl.) 13.2 / 22.0 (clamps incl.)
Packing size	mm inches	1350 x 260 x 220 53.1 x 10.2 x 8.7

Material:	Reflector: Aluminum, brass. Radome: Fiberglass, color: Grey. Base: Weather-proof aluminum. All screws and nuts: Stainless steel.
Mounting:	The antenna can be mounted on a tubular mast with a diameter of 42 to 115 mm 1.7 to 4.5 inches, with supplied clamps.
Grounding:	The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.
Environmental conditions:	Ericsson cellular antennas are designed to operate under the environmental conditions as described in ETS 300 019-1-4 class 4.1 E. The antennas exceed this standard with regard to the following items: – Low temperature: –55 °C – High temperature (dry): +60 °C
Environmental tests:	The antenna has passed a pressure test and meets the requirements according to Official Journal of the European Communities L245/171 from 12.09.2002 for the use of the antenna in train tunnels for high speed railways. The antenna exceeds the standard as follows. Pressure difference according to L245/171: 10 kPa Pressure difference during test: 100 kPa (const. 24 h)



All dimensions in mm | inches



All dimensions in mm | inches

Preliminary Issue



Antenna 9011 1LM

KRE 101 2571/1

Capacity

Compact

Coverage

65° | 617–4200 MHz | 10.0 dBi



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Midband		P1, connector 1–2					
Frequency range	MHz	617 – 806	806 – 960	960 – 1695	1695 – 2170	2170 – 2690	3300 – 4200
VSWR		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.8
Gain	dBi	9.7	9.8	9.7	9.7	10.0	10.3
Impedance	Ω	50	50	50	50	50	50
Polarization	°	±45					
Front-to-back ratio	dB	> 25	> 25	> 25	> 25	> 22	> 25
Half-power beam width horizontal vertical	°	64	62	57	59	55	44
		64	63	57	62	59	48
Intra-Cluster Isolation	dB	> 25					
Intermodulation IM3 (2 x 43 dBm carrier)	dBc	< -153					
Max. power	W	300	300	250	200	200	50
Total power	W	500 (at 50 °C ambient temperature)					

Mechanical specifications

Input		2x 4.3-10 female		
Connector position		Bottom		
Wind load (at Rated Wind Speed: 150 km/h)	N lbf	Frontal Lateral Rearside	20 210 30	4 47 7
Max. wind velocity	km/h mph	241 150		
Height / width / depth	mm inches	300 / 300 / 840 11.8 / 11.8 / 33.1		
Weight	kg lb	8 17.6		
Packing size	mm inches	360 x 360 x 1000 14.2 x 14.2 x 39.4		

Material: **Radiator:** Tin-plated copper. **Reflector screen:** Weather-proof aluminum.
Radome: Fiberglass, color: Grey.
All screws and nuts: Stainless steel

Mounting: The antenna can be mounted on tubular mast with supplied clamps:

Mast diameter mm inches	Wind speed km/h mph
30–70 1.2–2.8	< 200 124
48–70 1.9–2.8	< 241 150

Recommended Torque: $M_A = 25 \text{ Nm}$.
Please note: Ericsson does not recommend to use counter nuts.

Grounding: All metal parts of the antenna as well as the inner conductor are DC grounded.

Environmental tests: Ericsson antennas have passed environmental tests as recommended in ETS 300 019-2-4.
The homogenous design of Ericsson's antenna families use identical modules and materials.
Extensive tests have been performed on typical samples and modules.

Pressure test: The antenna has passed a pressure test according to Official Journal of the European Communities L245/171 from 12.09.2002 for the use of the antenna in train tunnels for high speed railways.
During test the antenna was subject to alternating pressure with a number of 1×10^6 alternations of load.
The antenna exceeds the standard as follows:
Pressure difference according to L245/171: 10 kPa
Pressure difference during test: 20 kPa



Antenna 9002 0L 1M 0.11m

80010431

Capacity

Compact

Coverage

360° | 1695–2700 MHz | 2.0 dBi



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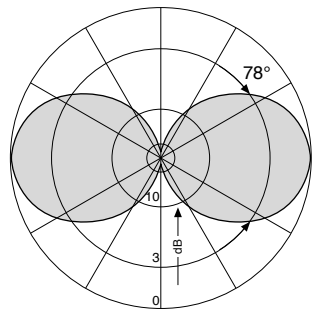
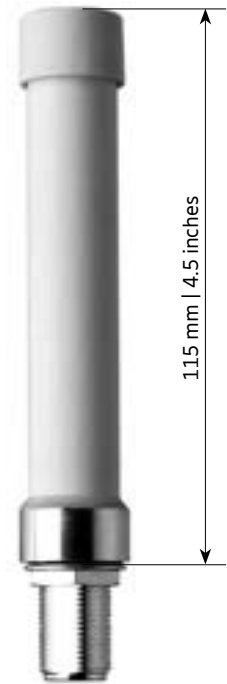
Input		1x N female
Connector position		Bottom or top
Frequency range	MHz	1695 – 2700
VSWR		< 1.8
Gain	dBi	2
Impedance	Ω	50
Intermodulation IM3	dBc	< –150 (2 x 43 dBm carrier)
Polarization		Vertical
Max. power	W	50 (at 50 °C ambient temperature)
Weight	g	150
	lb	0.33
Radome diameter	mm	20
	inches	0.8
Height	mm	115
	inches	4.5
Fire load	kWh	0.07

- Material:

Radiator: Brass.
Radome: Fiberglass, color: White.
- Mounting:

One hole mounting (16 mm | 0.6 inches diameter) to
surfaces of max. 10 mm | 0.4 inches thickness.
- Grounding:

All metal parts of the antenna and the mounting
kit are DC grounded. The inner conductor is not DC
grounded.



Vertical Pattern



Antenna 9002 1LM 0.2m

80010846

Capacity

Compact

Coverage

360° | 694–960 MHz | 2.0 dBi

360° | 1695–2700 MHz | 2.0 dBi



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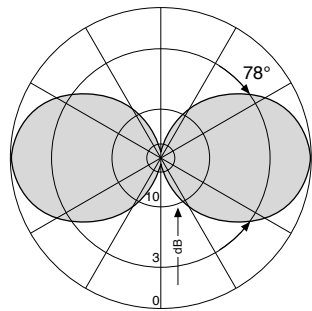
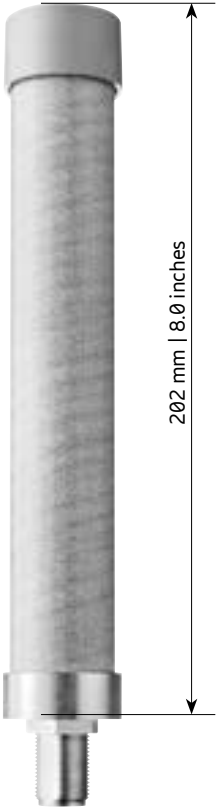
Input		1x N female			
Connector position		Bottom or top			
Frequency range	MHz	694 – 960 / 1695 – 2700			
VSWR	MHz	694 – 864 < 2.0	864 – 894 < 2.2	894 – 960 < 2.5	1695 – 2700 < 2.0
Gain	dBi	2			
Impedance	Ω	50			
Intermodulation IM3	dBc	< –150 (2 x 43 dBm carrier)			
Polarization		Vertical			
Max. power	W	50 (at 50 °C ambient temperature)			
Weight	g lb	210 0.46			
Wind load (at 150 km/h)	N lbf	6 1.3			
Radome diameter	mm inches	30 1.2			
Height	mm inches	202 8.0			
Fire load	kWh	0.2			

Material:

Radiator: Brass.
Radome: Fiberglass, colour: White.

Mounting:

One hole mounting (16 mm | 0.6 inches diameter) to
surfaces of max. 10 mm | 0.4 inches thickness.



Vertical Pattern



Antenna 9002 0L 1M 0.7m

80020126

Capacity

Compact

Coverage

360° | 1710–2690 MHz | 5.0 dBi



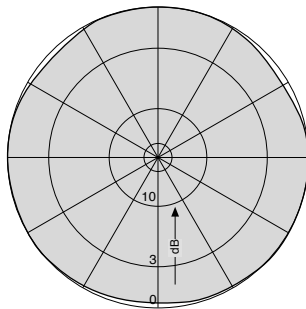
ericsson.com/antenna-system



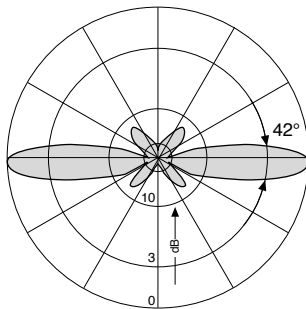
Scan or [click](#)

Frequency range	MHz	1710 – 1990	1920 – 2170	2170 – 2490	2490 – 2690
Polarization	°	+45, -45	+45, -45	+45, -45	+45, -45
Gain	dBi	2 x 5	2 x 5	2 x 5	2 x 5
Horizontal Pattern:					
Half-power beam width		Omni	Omni	Omni	Omni
Deviation from circularity	dB	±1	±1	±1.5	±1.5
Vertical Pattern:					
Half-power beam width	°	42	40	36	33
Electrical tilt	°	0, fixed			
Impedance	Ω	50			
VSWR		< 1.5			
Isolation, between ports	dB	> 30			
Intermodulation IM3	dBc	< -153 (2 x 43 dBm carrier)			
Max. power per input	W	100 (at 50 °C ambient temperature)			

1710–2690 MHz: +45°/–45° Polarization



Horizontal Pattern

Vertical Pattern
0° electrical downtilt

Mechanical specifications

Input		2x 4.3-10 female
Connector position		Bottom
Weight	kg lb	2.3 5.1
Wind load (at 150 km/h)	N lbf	50 11.2
Max. wind velocity	km/h mph	200 124
Mechanical interface		Flange connection 8 x M6 at a graduated diameter of 136 mm 5.4 inches. Evenness of the opposite surface: 0.5 mm 0.02 inches
Packing size	mm inches	742 x 220 x 219 29.2 x 8.7 x 8.6
Height / diameter	mm inches	691 / 100 27.2 / 3.9

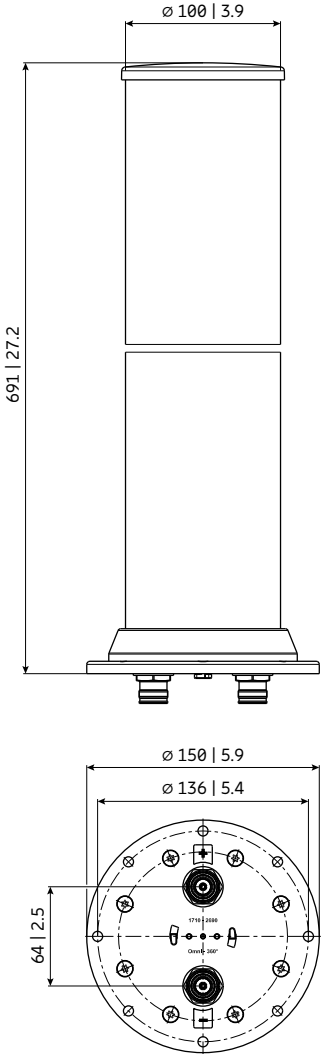
Antenna area: **Reflector screen:** Aluminum.
Radiator: Tin plated zinc.
Cylindrical fiberglass radome: The max. radome diameter is only 100 mm | 3.9 inches. Fiberglass material guarantees optimum performance with regards to stability, stiffness, UV resistance and painting. The colour of the radome is similar to light grey RAL 7035.
All screws and nuts: Stainless steel.

Environmental conditions: Ericsson cellular antennas are designed to operate under the environmental conditions as described in ETS 300 019-1-4 class 4.1 E. The antennas exceed this standard with regard to the following items:

- Low temperature: -55 °C
- High temperature (dry): +55 °C

Ice protection: Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions.

Environmental tests: Ericsson antennas have passed environmental tests as recommended in ETS 300 019-2-4. The homogenous design of Ericsson's antenna families use identical modules and materials. Extensive tests have been performed on typical samples and modules.



All dimensions in mm | inches