



Microwave Antennas

PROSE

Who We Are

Rosenberger Hochfrequenztechnik GmbH & Co. was founded in Germany in 1958 and ranks among the leading manufacturers of high-speed interconnect solutions worldwide. With its long tradition of excellence and innovation, Rosenberger has excelled and earned an outstanding reputation all over the world.

In early 2022 the Rosenberger Group announced the restructure of its antenna and coverage solution product portfolio with a new brand entity PROSE. The strategic focus of PROSE will be on the development of base station antennas, microwave antennas, indoor and outdoor coverage solutions, Open RAN sub-systems, data center, cabling system, IoT solutions, Automotive and related services.

As an independent entity, PROSE, with its lean, agile, and decentralized organizational structure, will be better placed to serve global customers and manage growth by bringing new technologies and solutions, aligned with the changing needs of customers in the telecom industry. The PROSE product portfolio will uphold Rosenberger's tradition of the highest innovation and quality while delivering improved technology expertise and enhanced local customer support around the globe.

PROSE consists of more than 3000 people, with 40+ subsidiaries sales/service offices, 4 factories, and 5 R&D centers covering mainly North America, Europe, the Middle East, Africa, and Asia. It will continue to serve more than 100 operators/ service providers worldwide including a wide set of customized solutions for 5G deployments.

PROSE is an ISO 9001 quality system and ISO 14001 environmental system certified company. Equipped with advanced machinery, automatically assembly, and testing centers supported by a large group of more than 400 R&D engineers, state-of-the-art production assembly lines, and stringent product and quality control.

PROSE's reliability and competitiveness are the cornerstones of this sustainable growth, which have resulted in long-term partnerships with most of the leading companies in their respective industries. PROSE will continue to provide excellent product solutions and services for its customers around the world.



A: Pune, India
B: New Jersey, USA
C: Donauwörth, Germany
D: Suzhou, China

Mission

- Customer always comes first
- Drive innovation together with and for our customers
- Maintain a secure, humane and happy environment for our employees
- Develop our employees by investing in their education
- Take social responsibility
- Protect our environment with ecologically friendly products, production and processes

Core Value

- Value Innovation
- Customer Focus
- Sustainable Growth
- Social Responsibility



Products & Services

Microwave Products	Class 3 Series Class 4 Series E-Band Series Dual-Band Series Microwave Components
BTS Antennas	Single-Multi Band Antennas Multibeam Antennas Beamforming Antennas Small Cell Antennas High Efficiency BSA (PROTREEM) 5G Massive MIMO Antennas Camouflage Products
Network Systems	Combiner Unit Master Unit Extended Unit Low Power Remote Unit (LPRU) High Power Remote Unit (HPRU)-Cabinet 4G High Power Remote Unit (HPRU)-Cabinet 5G High Power Remote Unit (HPRU)-Blade 4G High Power Remote Unit (HPRU)-Blade 5G Medium Power Remote Unit (MPRU) Passive DAS Components
O-RAN Radios	ORAN Radio Unit (ORU) Digital Control Unit (DCU) Small Cell
Archer Site Accessories	RF Coaxial Products Power Products Fiber Products Installation Material
Digital World Products	Automatic Infrastructure Management System Building Cabling System Data Center Cabling System Edge Computing Data Center Modular Data Center MDC Cloud Management Platform
Filter Solutions	Interference Mitigation Filters Embedded Filters Site Combiners



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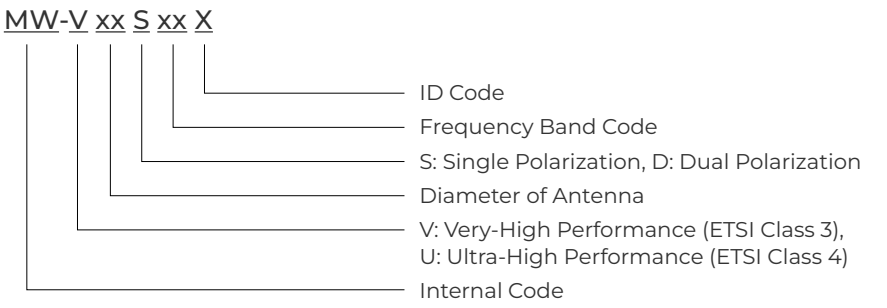
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Microwave Products

Microwave links are irreplaceable for sites where optical fiber connections are not an option. PROSE has a wide microwave antenna portfolio, covering frequencies from 4GHz up to 80GHz for various application scenarios in different countries. An advanced antenna solution and competitive parameters are critical for overall system performance and reducing the TCO. Our current product portfolio includes, among others, the high wind-load series, E-band 1ft/2ft reflector series, E-band array series, Dual-band series and Class 4 series.

Microwave Antenna Part Numbering Format



Frequency Band Coding

Frequency Band (GHz)	Code	Frequency Band (GHz)	Code
3.6-4.2	4	4.4-5.0	5
5.925-7.125	6W	7.10-8.50	7W
10.00-11.70	10W	12.70-13.25	13
14.40-15.35	15	17.70-19.70	18
21.20-23.60	23	24.25-26.50	26
27.50-29.50	28	31.00-33.40	32
37.00-40.00	38	40.50-43.50	42
71-76&81-86	80		

	Frequency														
Diameter	4	5	6W	7W	10W	13	15	18	23	26	28	32	38	42	80
0.3						x	x	x	x	x	x	x	x	x	x
0.6				x	x	x	x	x	x	x	x	x	x	x	x
0.9			x	x	x	x	x	x	x	x	x	x	x		
1.2			x	x	x	x	x	x	x						
1.8			x	x	x	x	x	x	x						
2.4	x	x	x	x	x	x	x								
3.0	x	x	x	x	x	x									



Class 3 Microwave Antennas

0.3m Microwave Antennas



Electrical Data of 0.3m Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-V03S13	13	12.70-13.25	31.1,31.2,31.3	4.7	30	-17.7	Class 3
MW-V03S15	15	14.40-15.35	32.6,32.8,33.0	4.1	30	-17.7	Class 3
MW-V03S18	18	17.70-19.70	34.3,34.9,35.5	3.2	30	-17.7	Class 3
MW-V03S23	23	21.20-23.60	35.0,35.6,36.2	3.0	30	-17.7	Class 3
MW-V03S26	26	24.25-26.50	36.3,36.9,37.5	2.5	30	-17.7	Class 3
MW-V03S28	28	27.50-29.50	37.8,38.3,38.8	2.2	30	-17.7	Class 3
MW-V03S32	32	31.00-33.40	39.0,39.3,39.6	1.8	30	-17.7	Class 3B
MW-V03S38	38	37.00-40.00	39.7,40.3,40.9	1.6	30	-17.7	Class 3B
MW-V03S42	42	40.50-43.50	40.7,41.1,41.5	1.5	30	-17.7	Class 3B
MW-V03S80	80	71.00-86.00	45.0,46.0,47.0	0.8	27	-14.0	Class 3

* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

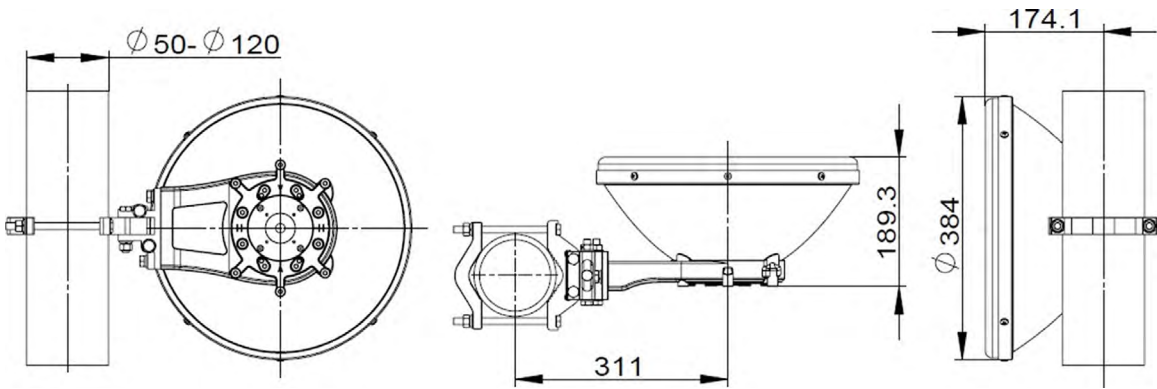
Regulatory Compliance

	13 GHz	15 GHz	18 GHz	23 GHz	26 GHz	28 GHz	32 GHz	38 GHz	42 GHz	80 GHz
ETSI (Class)	3	3	3	3	3	3	3B	3B	3B	3
FCC (Part 101)	Na	Na	B2	A	B	Na	Na	A	Na	OK
Anatel (Brazil)	3	3	3	3	3	3	2	2	2	3
SRSP (Canada)	B	Na	Na	B	Na	Na	Na	A	Na	Na

* OK: Only one category, without any name.

* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Pole diameter	50-120mm
Side struts, included	0
Wind resistance	Operational: 180km/h
	Survival: 252km/h

* Solid radome adopted which copes with the challenge of bird pecking.

0.6m Microwave Antennas



Electrical Data of 0.6m Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-V06S7W	7W	7.10-8.50	29.6,31.1,32.2	4.7	30	-17.7	Class 3
MW-V06S10W	10W	10.00-11.70	33.7,34.5,35.2	3.3	30	-17.7	Class 3
MW-V06S13	13	12.70-13.25	35.8,36.0,36.2	2.7	30	-17.7	Class 3
MW-V06S15	15	14.40-15.35	36.8,37.1,37.5	2.5	30	-17.7	Class 3
MW-V06S18	18	17.70-19.70	38.6,39.0,39.4	2.1	30	-17.7	Class 3
MW-V06S23	23	21.20-23.60	40.2,40.7,41.2	1.7	30	-17.7	Class 3
MW-V06S26	26	24.25-26.50	41.5,42.0,42.5	1.5	30	-17.7	Class 3
MW-V06S28	28	27.50-29.50	42.5,42.8,43.2	1.3	30	-17.7	Class 3
MW-V06S32	32	31.00-33.40	43.3,43.6,44.0	1.1	30	-17.7	Class 3B
MW-V06S38	38	37.00-40.00	44.6,45.2,45.8	0.9	30	-17.7	Class 3B
MW-V06S42	42	40.50-43.50	45.7,46.0,46.3	0.8	30	-17.7	Class 3B
MW-V06S80	80	71.00-86.00	50.0,50.5,51.0	0.4	27	-14.0	Class 3

* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

* Hydrophobic treatment is optional on 80GHz radome.

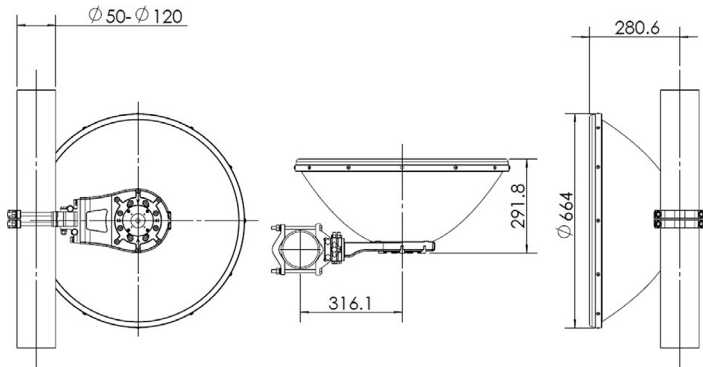
Regulatory Compliance

	7W GHz	10W GHz	13 GHz	15 GHz	18 GHz	23 GHz	26 GHz	28 GHz	32 GHz	38 GHz	42 GHz	80 GHz
ETSI (Class)	3	3	3	3	3	3	3	3	3B	3B	3B	3
FCC (Part 101)	Na	A/B	Na	Na	A	A	A	Na	Na	A	Na	OK
Anatel (Brazil)	3	3	3	3	3	3	3	3	2	2	2	3
SRSP (Canada)	Na	Na	B	A	A	A	Na	Na	Na	A	Na	Na

* OK: Only one category, without any name.

* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Pole diameter		50-120mm
Side struts, included		0
Wind resistance	Operational	180km/h (For 80GHz is 144km/h)
	Survival	252km/h

* Solid radome adopted which copes with the challenge of bird pecking.

0.9m Microwave Antennas



Electrical Data of 0.9m Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-V09S6W	6W	5.925-7.125	32.3,33.3,34.3	3.7	30	-17.7	Class 3
MW-V09S7W	7W	7.10-8.50	34.8,35.5,35.8	3.0	30	-17.7	Class 3
MW-V09S10W	10W	10.00-11.70	37.2,38.4,39.0	2.0	30	-17.7	Class 3
MW-V09S13	13	12.70-13.25	39.9,40.0,40.1	1.7	30	-17.7	Class 3
MW-V09S15	15	14.40-15.35	40.8,41.1,41.4	1.5	30	-17.7	Class 3
MW-V09S18	18	17.70-19.70	42.4,43.2,43.4	1.1	30	-17.7	Class 3
MW-V09S23	23	21.20-23.60	44.5,44.8,45.0	1.0	30	-17.7	Class 3
MW-V09S26	26	24.25-26.50	45.6,45.8,46.2	0.9	30	-17.7	Class 3
MW-V09S28	28	27.50-29.50	46.6,47.0,47.2	0.8	30	-17.7	Class 3
MW-V09S32	32	31.00-33.40	47.5,48.0,48.2	0.7	30	-17.7	Class 3B
MW-V09S38	38	37.00-40.00	49.0,49.4,49.6	0.6	30	-17.7	Class 3B

* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

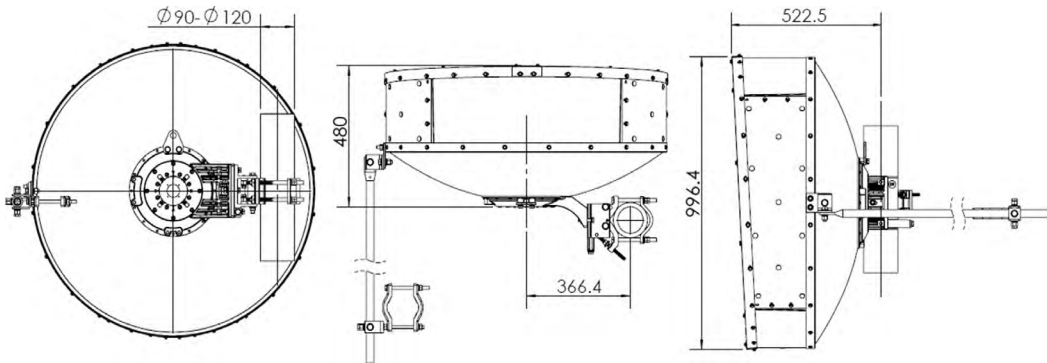
Regulatory Compliance

	6W GHz	7W GHz	10W GHz	13 GHz	15 GHz	18 GHz	23 GHz	26 GHz	28 GHz	32 GHz	38 GHz
ETSI (Class)	3	3	3	3	3	3	3	3	3	3B	3B
FCC (Part 101)	B2	Na	A/A	Na	Na	A	A	A	Na	Na	A
Anatel (Brazil)	3	3	3	3	3	3	3	3	3	2	2
SRSP (Canada)	Na	Na	OK	B	A	A	A	Na	Na	Na	Na

* OK: Only one category, without any name.

* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Pole diameter		90-120mm
Side struts, included		0 (6W GHz~23GHz) / 1 (26GHz~38GHz)
Wind resistance	Operational	180km/h
	Survival	252km/h

1.2m Microwave Antennas



Electrical Data of 1.2m Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-V12S6W	6W	5.925-7.125	34.0,35.0,36.0	2.9	30	-17.7	Class 3
MW-V12S7W	7W	7.10-8.50	36.8,37.3,37.7	2.2	30	-17.7	Class 3
MW-V12S10W	10W	10.00-11.70	40.2,40.7,41.0	1.6	30	-17.7	Class 3
MW-V12S13	13	12.70-13.25	41.9,42.0,42.1	1.3	30	-17.7	Class 3
MW-V12S15	15	14.40-15.35	42.8,43.0,43.1	1.2	30	-17.7	Class 3
MW-V12S18	18	17.70-19.70	44.2,44.7,45.1	0.9	30	-17.7	Class 3
MW-V12S23	23	21.20-23.60	46.0,46.7,47.0	0.8	30	-17.7	Class 3
MW-V12S26	26	24.25-26.50	47.0,47.4,47.8	0.6	30	-17.7	Class 3

* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

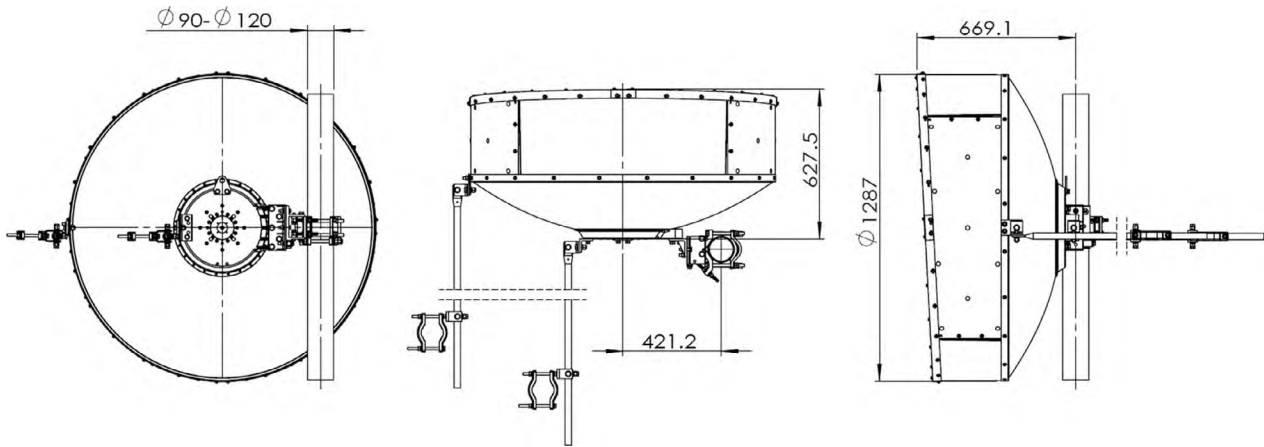
Regulatory Compliance

	6W GHz	7W GHz	10W GHz	13 GHz	15 GHz	18 GHz	23 GHz	26 GHz
ETSI (Class)	3	3	3	3	3	3	3	3
FCC (Part 101)	B2	Na	A/B	Na	Na	A	A	A
Anatel (Brazil)	3	3	3	3	3	3	3	3
SRSP (Canada)	Na	Na	OK/B	B	A	A	A	Na

* OK: Only one category, without any name.

* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Pole diameter	90-120mm	
Side struts, included	1 (6W GHz~15GHz) / 2 (18GHz~26GHz)	
Wind resistance	Operational	180km/h
	Survival	252km/h

1.8m Microwave Antennas



Electrical Data of 1.8m Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-V18S6W	6W	5.925-7.125	38.5,39.3,40.1	1.8	30	-17.7	Class 3
MW-V18S7W	7W	7.10-8.50	40.1,40.8,41.5	1.3	30	-17.7	Class 3
MW-V18S10W	10W	10.00-11.70	43.2,44.0,44.8	1.0	30	-17.7	Class 3
MW-V18S13	13	12.70-13.25	45.1,45.3,45.5	0.9	30	-17.7	Class 3
MW-V18S15	15	14.40-15.35	46.4,46.7,47.0	0.8	30	-17.7	Class 3
MW-V18S18	18	17.70-19.70	47.5,48.0,48.5	0.7	30	-17.7	Class 3
MW-V18S23	23	21.20-23.60	48.7,49.2,49.7	0.5	30	-17.7	Class 3

* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

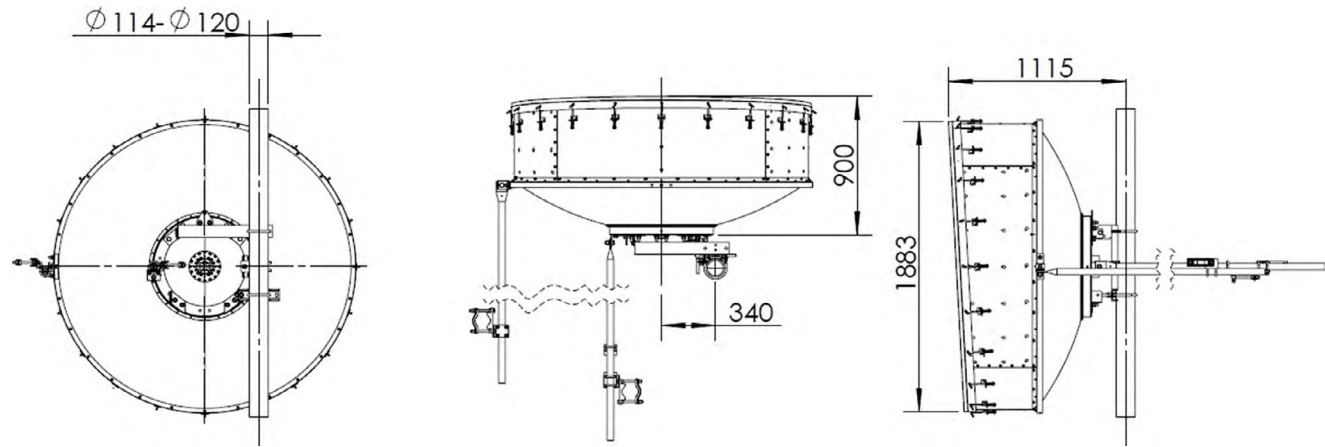
Regulatory Compliance

	6W GHz	7W GHz	10W GHz	13 GHz	15 GHz	18 GHz	23 GHz
ETSI (Class)	3	3	3	3	3	3	3
FCC (Part 101)	B2	Na	A/B	Na	Na	A	A
Anatel (Brazil)	3	3	3	3	3	3	3
SRSP (Canada)	B/A	OK/B	OK/B	B	C	A	A

* OK: Only one category, without any name.

* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Pole diameter	120mm	
Side struts, included	2	
Wind resistance	Operational	180km/h
	Survival	252km/h

2.4m Microwave Antennas



Electrical Data of 2.4m Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-V24S4	4	3.6-4.2	36.1,37.3,38.0	2.4	30	-17.7	Class 3
MW-V24S5	5	4.4-5.0	38.0,38.8,39.3	2.0	30	-17.7	Class 3
MW-V24S6W	6W	5.925-7.125	40.6,41.5,42.3	1.3	30	-17.7	Class 3
MW-V24S7W	7W	7.125-8.50	42.1,43.0,43.7	1.12	30	-17.7	Class 3
MW-V24S10W	10W	10.00-11.70	45.4,46.2,46.8	0.8	30	-17.7	Class 3
MW-V24S13	13	12.75-13.25	47.3,47.5,47.6	0.7	30	-17.7	Class 3
MW-V24S15	15	14.40-15.35	47.9,48.2,48.6	0.6	30	-17.7	Class 3

* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

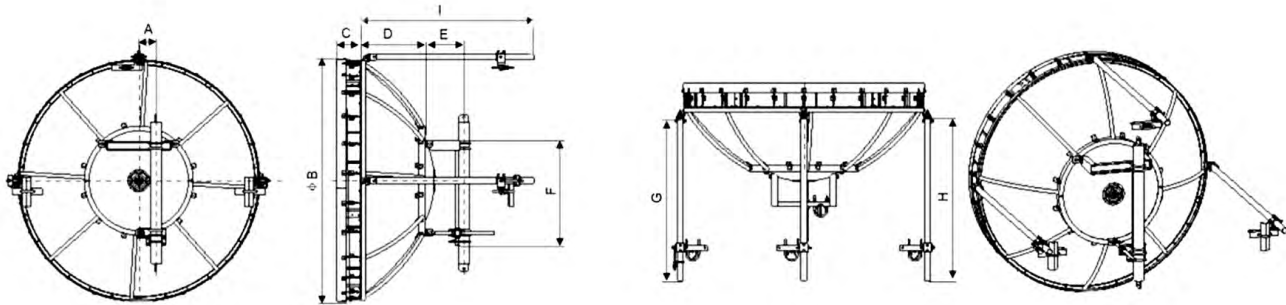
Regulatory Compliance

	4 GHz	5 GHz	6W GHz	7W GHz	10W GHz	13 GHz	15 GHz
ETSI (Class)	3	3	3	3	3	3	3
FCC (Part 101)	B	Na	A	Na	A/A	Na	Na
Anatel (Brazil)	3	3	3	3	3	3	3
SRSP (Canada)	B	Na	A	OK/A	OK/A	Na	C

* OK: Only one category, without any name.

* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Dimension	A	B	C	D	E	F	G	H	I
	180	2580	250	680	405	1105	2000	2500	2000

Pole diameter	120mm	
Side struts, included	3	
Wind resistance	Operational	180km/h
	Survival	200km/h

3.0m Microwave Antennas



Electrical Data of 3.0m Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-V30S4	4	3.6-4.2	38.3,38.9,39.5	1.9	30	-17.7	Class 3
MW-V30S5	5	4.4-5.0	40.4,40.6,41.1	1.5	30	-17.7	Class 3
MW-V30S6W	6W	5.925-7.125	42.6,43.4,44.2	1.0	30	-17.7	Class 3
MW-V30S7W	7W	7.125-8.50	44.2,45.0,45.7	0.9	30	-17.7	Class 3
MW-V30S10W	10W	10.00-11.70	47.3,48.1,48.7	0.7	30	-17.7	Class 3
MW-V30S13	13	12.75-13.25	49.3,49.4,49.6	0.6	30	-17.7	Class 3

* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

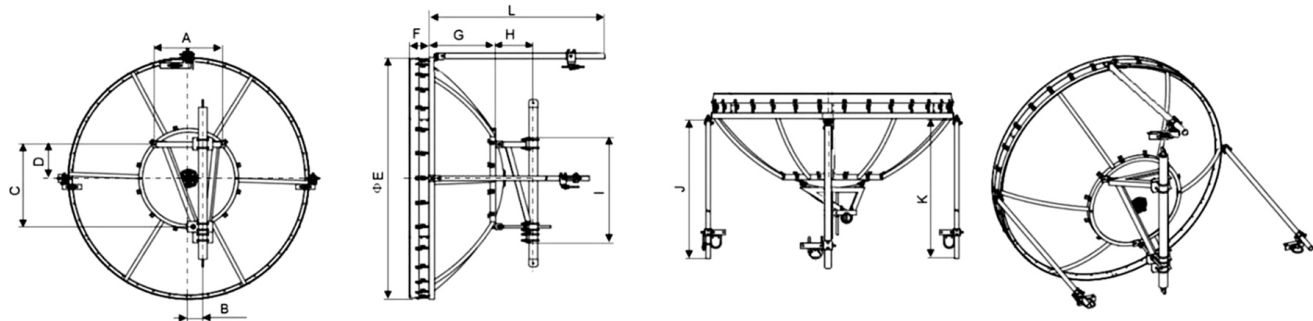
Regulatory Compliance

	4 GHz	5 GHz	6W GHz	7W GHz	10W GHz	13 GHz
ETSI (Class)	3	3	3	3	3	3
FCC (Part 101)	B	Na	A	Na	A/A	Na
Anatel (Brazil)	3	3	3	3	3	3
SRSP (Canada)	B	Na	A	OK/A	OK/A	Na

* OK: Only one category, without any name.

* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Dimension	A	B	C	D	E	F	G	H	I	J	K	L
	894	190	1082	450	3185	350	745	535	1380	2500	3000	2000

Pole diameter	120mm	
Side struts, included	3	
Wind resistance	Operational	180km/h
	Survival	200km/h



Class 4 Microwave Antennas

0.3m Ultra High Performance Microwave Antennas



Electrical Data of 0.3m Ultra High Performance Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-U03S23	23	21.2-23.6	35.0,35.6,36.2	3.0	30	-17.7	Class 4

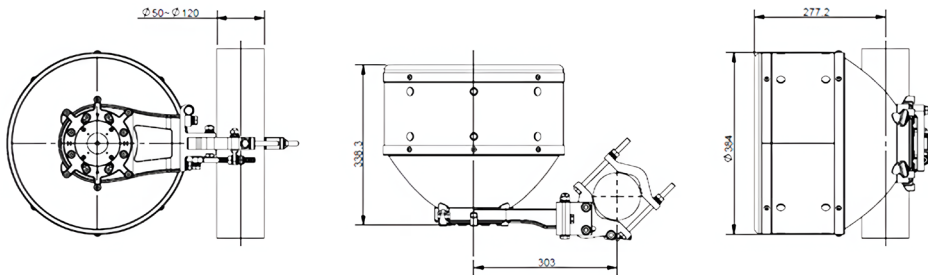
* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

Regulatory Compliance

	23 GHz
ETSI (Class)	4
FCC (Part 101)	A
Anatel (Brazil)	3
SRSP (Canada)	B

* OK: Only one category, without any name.
* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Pole diameter	50-120mm	
Side struts, included	0	
Wind resistance	Operational	180km/h
	Survival	252km/h

0.6m Ultra High Performance Microwave Antennas



Electrical Data of 0.6m Ultra High Performance Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-U06S13	13	12.70-13.25	35.8,36.0,36.2	2.7	30	-17.7	Class 4
MW-U06S15	15	14.40-15.35	36.8,37.1,37.5	2.5	30	-17.7	Class 4
MW-U06S18	18	17.70-19.70	38.6,39.0,39.4	2.1	30	-17.7	Class 4
MW-U06S23	23	21.20-23.60	40.2,40.7,41.2	1.7	30	-17.7	Class 4

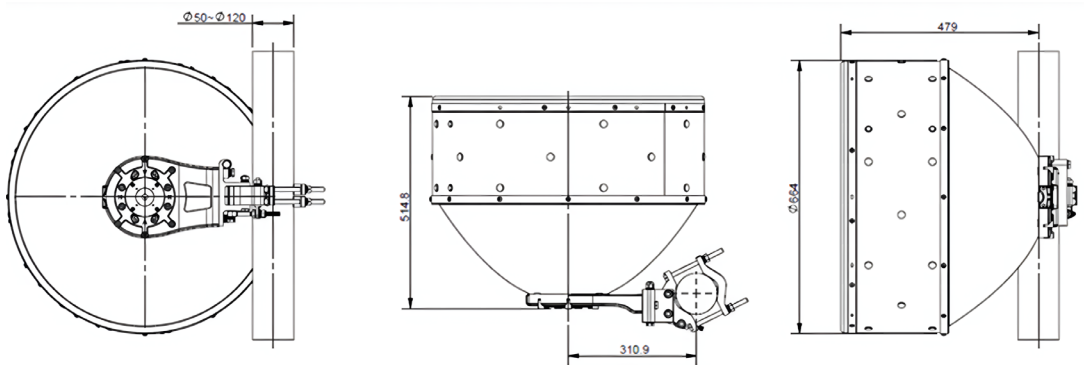
* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

Regulatory Compliance

	13 GHz	15 GHz	18 GHz	23 GHz
ETSI (Class)	4	4	4	4
FCC (Part 101)	Na	Na	A	A
Anatel (Brazil)	3	3	3	3
SRSP (Canada)	B	A	A	A

* OK: Only one category, without any name.
* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Pole diameter	50-120mm	
Side struts, included	0	
Wind resistance	Operational	180km/h
	Survival	252km/h



Dual band Microwave Antennas

0.6m Dual band Microwave Antennas



Electrical Data of 0.6m Dual band Microwave Antennas

Antenna P/N	Frequency (GHz)	Frequency Band (GHz)	Gain (L-M-H) (dBi)	HPBW (°)	XPD (dB)	Return Loss (dB)	Regulatory Compliance (ETSI)
MW-V06S13S80	13	12.7-13.25	34.8,35.0,35.2	2.7	30	-14.0	Class 3
	80	71.0-76.0 & 81.0-86.0	48.5,49.0,49.5	0.5	27	-14.0	Class 3
MW-V06S15S80	15	14.40-15.35	35.8,36.1,36.5	2.5	30	-14.0	Class 3
	80	71.0-76.0 & 81.0-86.0	48.5,49.0,49.5	0.5	27	-14.0	Class 3
MW-V06S18S80	18	17.70-19.70	37.6,38.0,38.4	2.1	30	-14.0	Class 3
	80	71.0-76.0 & 81.0-86.0	48.5,49.0,49.5	0.5	27	-14.0	Class 3
MW-V06S23S80	23	21.20-23.60	39.2,39.7,40.2	1.7	30	-14.0	Class 3
	80	71.0-76.0 & 81.0-86.0	48.5,49.0,49.5	0.5	27	-14.0	Class 3

* Antenna Input Type: UDR / PDR / UBR / PBR / Customized.

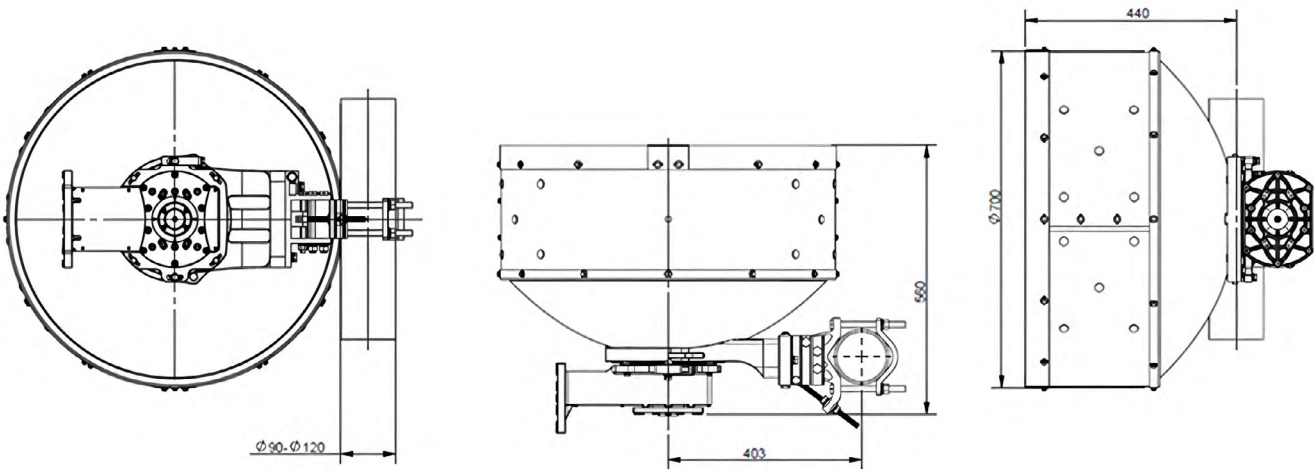
Regulatory Compliance

	13 GHz	15 GHz	18 GHz	23 GHz	80 GHz
ETSI (Class)	3	3	3	3	3
FCC (Part 101)	Na	Na	A	A	OK
Anatel (Brazil)	3	3	3	3	3
SRSP (Canada)	B	A	A	A	Na

* OK: Only one category, without any name.

* Na: No such standard.

Antenna Dimension (in mm) and Mounting Kit



Pole diameter	90-120mm	
Side struts, included	0	
Wind resistance	Operational	180km/h
	Survival	252km/h

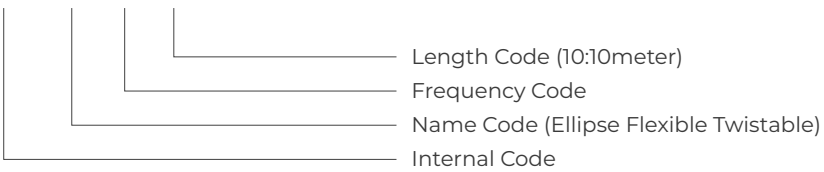


Accessories

Microwave Antenna Components Numbering Format

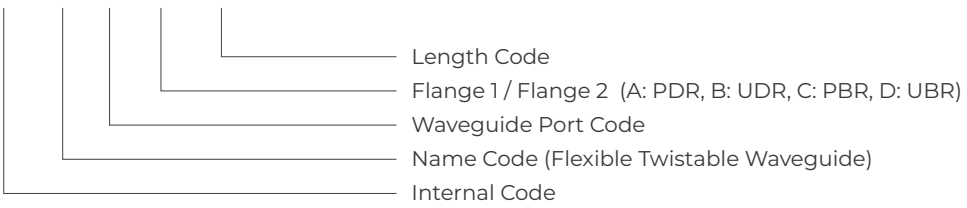
Ellipse Flexible Twistable

MW-EFT 7W-10



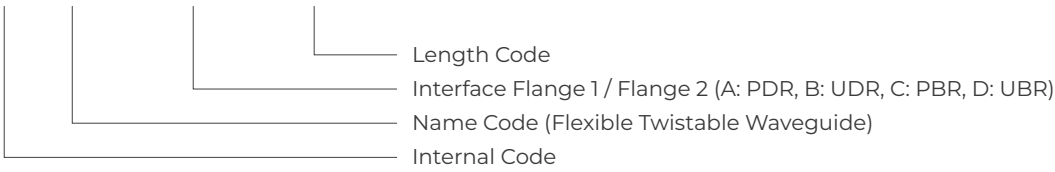
Flexible Waveguide

MW-FT 100 AA-1000



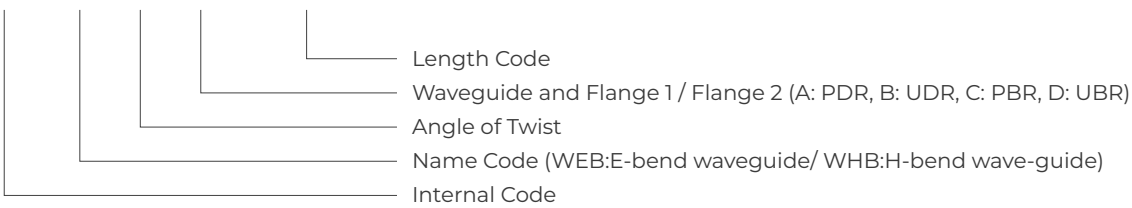
Waveguide Straight

MW-WG UB140UD140-100



Waveguide Bend

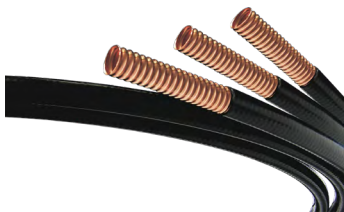
MW-WEB 90-70AA-100X100



Microwave Components

Elliptical Waveguide

- Low loss
- Customizable length
- High reliability
- Simple installation



P/N	Operating Frequency (GHz)	VSWR	Attenuation (dB/100m)	Average Power (kw)	Dimension Over Jacket (mm)	Minimum Bend Radius (mm)		EIA Size
						E Plane	H Plane	
MW-EFT3	3.6-4.2	1.1	2.6	15	82x47.3	400	1000	WR187
MW-EFT4	4.4-5.0	1.1	2.8	8.5	66.3x38.5	380	850	WR187
MW-EFT5	5.6-6.425	1.1	3.8	7.3	53.8x32	300	800	WR159
MW-EFT6W	5.9-7.125	1.1	4.3	5.2	51.4x31.1	300	600	WR137
MW-EFTU6	6.4-7.75	1.1	4.8	4.6	45.1x27.6	300	600	WR137
MW-EFT7W	7.1-8.5	1.1	5.63	3.6	44x25.8	250	600	WR112
MW-EFT10W	10-11.7	1.1	9.8	1.8	32.3x19.2	150	300	WR75
MW-EFT13	10.7-13.25	1.15	11.4	1.2	30.5x18.7	150	300	WR75
MW-EFT15	13.4-15.35	1.15	15.5	0.8	25.6x15.6	150	300	WR62
MW-EFT18	17.3-19.7	1.15	18.8	0.5	21x13.4	130	300	WR51

Flexible Waveguide

- Low loss
- Customizable length
- High reliability
- Simple installation



P/N	Operating Frequency (GHz)	Average Power (kw)	Attenuation (dB/100m)	Return Loss (dB)							Minimum Bend Radius (mm)		Maximum Twist (deg/m)
				300 mm	600 mm	900 mm	1000 mm	1200 mm	1500 mm	1800 mm	E Plane	H Plane	
MW-FT32	2.6-3.95	4	0.11	31.4	30	29.5	29.5	28.5	28.5	27.5	206	412	105
MW-FT40	3.3-4.9	4	0.15	31	29.5	28.8	28.8	27.8	27.8	26.8	166	332	130
MW-FT48	3.95-5.85	3	0.16	31	28.8	28.3	28.3	27.3	27.3	26.3	136	272	155
MW-FT58	4.9-7.05	2.5	0.18	31	28.3	27.8	27.8	26.8	26.8	25.8	116	232	185
MW-FT70	5.85-8.2	2	0.25	30.2	27.8	27.3	27.3	26.3	26.3	25.3	100	200	210
MW-FT84	7.05-10	1.5	0.3	30.2	27.3	27.1	27.1	26.1	26.1	25.1	82	164	260
MW-FT100	8.2-12.4	1	0.4	30.2	27.1	27	27	26	26	25	66	132	315
MW-FT120	10-15	0.75	0.5	29.4	27	26.4	26.4	25.4	25.4	24.4	54	108	365
MW-FT140	12.4-18	0.4	0.8	29.4	26.4	26	26	25	25	24	46	92	445
MW-FT180	15-22	0.2	1	26.4	25	24.5	24.5	23.5	23.5	22.5	38	76	445
MW-FT220	17.7-26.5	0.1	1.2	23	22.1	21.1	21.1	20.83	-	-	30	60	630
MW-FT260	22-33	0.085	1.5	21	20.83	20.83	20.83	20.83	-	-	24	48	630
MW-FT320	26.5-40	0.075	2	21	20.83	20.83	20.83	20.83	-	-	20	40	920
MW-FT400	33-50	N/A	2.5	20	16.5	15.6	15.6	-	-	-	18	38	920

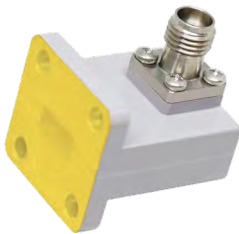
To meet the customer's unique requirement, PROSE also designs some other microwave components. For more details, please contact us.



Hybrid



Waveguide Filter



Waveguide to Coaxial Adapter

PROSE Service

PROSE offers professional services that improve network design, reliability, scalability and efficiency.

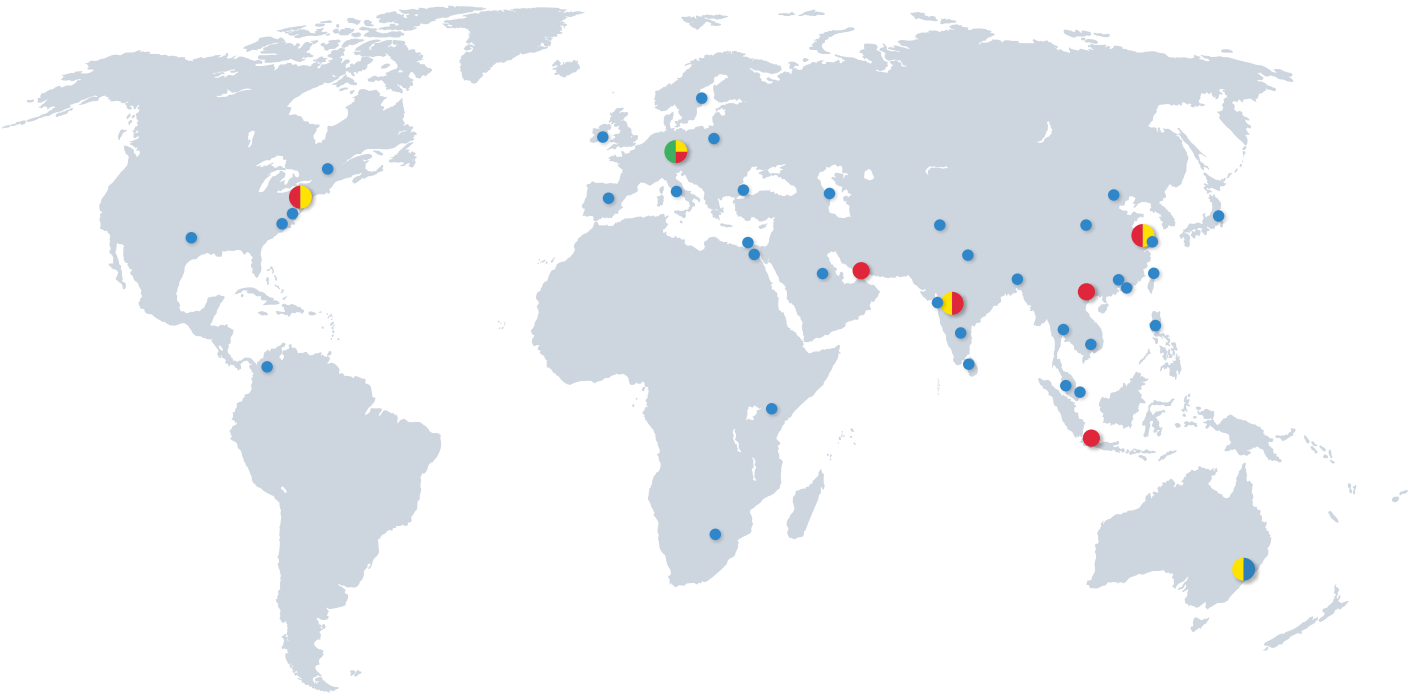
Our service core competences include:

- Network optimization
- Technical consultation
- Customized product design
- Installation & commissioning
- Onsite training & supervision
- System troubleshooting
- After-sales services

In addition, we also offer professional training, technical support and workshops for distributors and agents. We are committed to offering exceptional services for our customers.

PROSE is much more than just a supplier – PROSE is a valued development partner and we will strive to meet new challenges in order to scale to new heights.

GLOBAL FOOTPRINT



- HQ
- PRODUCTION / OPERATIONAL HUB
- R&D CENTER
- SUBSIDIARIES / SALES REPRESENTATIVES



For more information refer to our website:
www.ProseTechnologies.com

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