



Terrestrial antennas

- ▶ FM radio antennas
- ▶ VHF III antennas
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- ▶ UHF antennas
- ▶ VHF-UHF multiband antennas
- ▶ Indoor set-top antennas



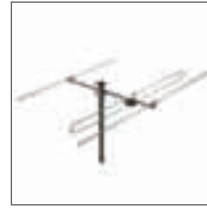
FM radio antennas



UA 01



UA 05



UE 01



Type	UA 01 FM radio antenna	UA 05 FM radio antenna	UE 01 FM radio antenna
Elements	1	3	2
Gain max.	-3 dB	5.0 dB	-3 dB
Back / front ratio	0 dB	12 dB	0 dB
Half power beam width horizontal	110°	70°	360°
Wind loading horizontal	-	63.8 N	22.1 N
Length	350 mm	860 mm	-
Clamp for mast	Ø 34-60 mm	Ø 34-60 mm	Ø 34-60 mm
Cable connection	75 Ω	75 Ω	75 Ω
Packing unit	1 piece, 11 dm ³ , 1.33 kg	1 piece, bag	1 piece, 7.2 dm ³ , 0.83 kg
Shipping package	-	5 pieces, 64 dm ³ , 6.90 kg	-

VHF III antennas

Polarisation: horizontal or vertical
inclination adjustable

FO 04



FX 07



FX 10



FX 13



Type	FO 04 VHF III-antenna	FX 07 VHF III antenna	FX 10 VHF III antenna	FX 13 VHF III antenna
Channels	E 5 - 12, L 05 - 10	E 5 - 12/ L 05 - 10	E 5 - 12/ L 05 - 10	E 5 - 12 / L 05 - 10
Elements	4	7	10	13
Gain max.	5 dB	8.3 dB	9.5 dB	10.6 dB
Back / front ratio	12 dB	18 dB	>20 dB	>20 dB
Half power beam width horizontal	66°	58°	53°	49°
Half power beam width vertical	108°	78°	67°	57°
Wind loading horizontal	33.6 N	28.5 N	47 N	61.8 N
Wind loading vertical	47.4 N	-	-	-
Length	540 mm	1090 mm	1710 mm	2090 mm
Connection	75 Ω, F-type- socket	75 Ω, F-type- socket	75 Ω, F-type- socket	75 Ω, F-type-socket
Packing unit	1 piece, bag	1 piece, bag	1 piece, bag	1 piece, bag
Shipping package	5 pieces, 39 dm ³ , 4.20 kg	5 pieces, 56 dm ³ , 4.20 kg	5 pieces, 56 dm ³ , 6.90 kg	5 pieces, 56 dm ³ , 8.10 kg



VHF III channel group antennas



Polarisation: horizontal or vertical
inclination adjustable.
*Please specify the channel group with the order.

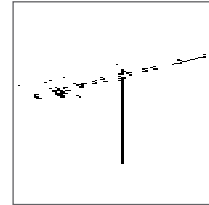
FA 45



FA 47



FA 49



Type	FA 45 VHF III channel group antenna	FA 47 VHF III channel group antenna	FA 49 VHF III channel group antenna
Channels	*E 5 - 6 / L 05 - 06, E 7-9 / L 07 - 08, E 9 - 12 / L 09 - 10	*E 5 - 6 / L 05 - 06, E 7-9 / L 07 - 08, E 9 - 12 / L 09 - 10	*E 5 - 6 / L 05 - 06, E 7-9 / L 07 - 08, E 9 - 12 / L 09 - 10
Elements	5	7	9
Gain max.	8.5 dB	10 dB	11.5 dB
Back / front ratio	18 dB	20 dB	> 20 dB
Half power beam width horizontal	51°	48°	44°
Half power beam width vertical	70°	58°	51°
Wind loading horizontal	47/43/40 N	57/52/46 N	60/61/55 N
Wind loading vertical	63/60/54 N	86/81/73.5 N	118/108/100 N
Length	920-1150 mm	1680-1980 mm	2380-2840 mm
Connection	75 Ω, F-type-socket	75 Ω, F-type-socket	75 Ω, F-type-socket
Packing unit	1 piece, 20 dm ³ , 1.3 kg	1 piece, 20 dm ³ , 1.5 kg	1 piece, 20 dm ³ , 1.9 kg



UHF antennas

Polarisation: horizontal or vertical
inclination adjustable
*Please specify the channel group with the order

EB 15



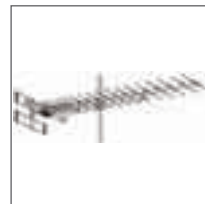
EB 22



EB 44



EB 66



Type	EB 15 UHF antenna	EB 22 UHF antenna	EB 44 UHF antenna	EB 66 UHF antenna
Channels	*21-47/21-29/ 38-69	21-69	*21-44/21-69	*21-37, 21-69, 31-47, 38-69
Elements	-	16	24	41
Gain max.	13.5 dB	11 dB	13 dB	16.5
Back / front ratio	>20 dB	20 dB	> 20 dB	26
Half power beam width horizontal	37°	49°	38° / 40°	29° / 29° / 29° / 29°
Half power beam width vertical	41°	59°	47° / 48°	32° / 34° / 34° / 34°
Wind loading horizontal	35 N	46.0 N	31.7 N	35 N, 34 N, 34 N, 34 N
Wind loading vertical	35 N	60.6 N	-	75 N, 62 N, 63 N, 62 N
Length	1050-1310 mm	443 mm	1021 mm	2330 mm, 1940 mm, 1990 mm, 1940 mm
Connection	75 Ω, F-type-socket	75 Ω, F-type-socket	75 Ω, F-type-socket	75 Ω, F-type-socket
Packing unit	1 piece, 27 dm ³ , 2.3 kg	1 piece, bag	1 piece, bag	1 piece, 90.8 dm ³ , 90.8 dm ³ , 76.5 dm ³ , 64.5 dm ³ (2.40 kg)
Shipping package	-	5 pieces, 139 dm ³ , 5.70 kg	5 pieces, 208 dm ³ 8.20 kg	-

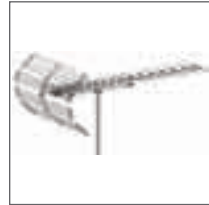


UHF antennas

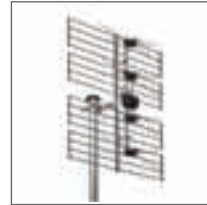


Polarisation: horizontal or vertical
 inclination adjustable
 *Please specify the channel group with the order

EB 76



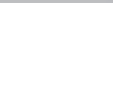
EE 06



EZ 44



Type	EB 76 UHF antenna	EE 06 UHF broadband antenna	EZ 44 UHF antenna
Channels	21-69	21-69	21-69
Elements	52	-	39
Gain max.	15.5 dB	13.5 dB	15 dB
Back / front ratio	25 dB	> 20 dB	28 dB
Half power beam width horizontal	33°	46°	35°
Half power beam width vertical	39°	27°	42°
Wind loading horizontal	120 N	107 N	72.6 N
Wind loading vertical	190 N	107 N	114.0 N
Length	1860 mm	830 / 645 / 260 mm (HxWxD)	1090 mm
Connection	75 Ω, F-type-socket	75 Ω, F-type-socket	75 Ω, F-type-socket
Packing unit	1 piece, 91 dm ³ , 3.1 kg	2 pieces, 58.4 dm ³ , 3.8 kg	1 piece, 39 dm ³ , 2.2 kg
Shipping package	-	-	-



VHF-UHF multiband antennas

EA 34



EA 65



Type	EA 34 VHF-UHF- multiband antenna	EA 65 VHF-UHF-multiband antenna
Polarization	Horizontal. Mast clamp inclinable	Horizontal or vertical
Reception range / channels	VHF III E 5-12 L 05-10/UHF E 21-69	VHF III E 5-12, L 05-10 / UHF 21-69
Elements	6 / 36	3 / 13
Gain max.	6.5 dB / 12.5 dB	3.5 / 9.5 dB
Back / front ratio	> 20 dB	>10 / 20 dB
Half power beam width horizontal	65° / 35°	68 / 44°
Half power beam width vertical	92° / 40°	- / 70°
Wind loading horizontal	111.5 N	36 N
Length	1285 mm	670 mm
Connection	75 Ω, F-type-socket	75 Ω, F-type-socket
Packing unit	1 piece, bag, 65 dm ³ , 2.4 kg	1 piece, bag, 65 dm ³ , 3.4 kg



Indoor set-top antennas

FW 89 A



Electronic indoor antenna

UHF-Polarisation	Horizontal or vertical adjustable	LED-Gain display. Continuous gain control adjustable	
Gain	FM/VHF I: 18 dB	VHF III: 20 dB	UHF IV-V: 30dB
Noise figure	1.5-3.0 dB		
Operating voltage	230 V AC	50/60 Hz	
Mains lead	1.8 m		
Color	black		
Packing unit	1 piece, self service carrier bag		
Shipping package	10 pieces, 132 dm ³ , 14.8 kg		

MW 44



Indoor set-top antenna

For VHF III and UHF. Black colored.

Channels	VHF III E 5-12	UHF K 21-69
Half-dipoles / elements	2	4
Connecting cable	1 with IEC plug	
Packing unit	1 piece, self service carrier bag	
Shipping package	20 pieces, 111 dm ³ , 16.1 kg	

OA 01



DVB-T antenna, active

- Reception of all digital terrestrial programs
- Integrated low noise amplifier for better picture quality
- Remote powering via antenna cable
- Optimum reception due to various mounting options
- Power on LED
- Integrated GSM/DECT suppression filter

Output frequency	VHF III / UHF	
Gain	>18 dB	
Remote feed voltage	5 VDC	
Power consumption	30 mA	
RF connector	IEC	
Connecting cable	2 m	
Dimensions	130x168x95 mm	
Weight	0.5 kg	
Packing unit	1 piece	Blister
Shipping package	10 pieces	