

## Antennas: UHF 380-520 MHz

The DrawCom range of UHF Antennas includes corner reflectors, dual polar panels, shrouded dipoles, stacked dipoles, colinears, ceiling mounted omnis, end-fed dipoles, low-profile and patch antennas. There are products designed to radiate as low as 380 MHz and as high as 470 MHz.



## Antennas: UHF 380-520 MHz (cont.)

Selection Guide: Tetra 380-400 MHz								
Part No.	Frequency (Mhz)	Gain (dBd)	Hor.3db beamwidth(°)	Polarisation	Electrical tilt(°)	Vert. 3 db beamwidth (°)	Description	Gain (dB)
5004000	380-400	6,3 to 9,3	Adjustable to 90°,120°,140°,180°	Vertical	0	19	Adjustable Corner reflector	-
5004010	380-400	6,3 to 9,3	Adjustable to 90°,120°,140°,180°	Vertical	10	19	Adjustable corner reflector	-
5004400	410-430	6,3 to 9,3	Adjustable 90°,120°,140°..	Vertical	0	19	Adjustable corner reflector	-
5023010	380-430	9	80	+/-45°	-	28	Dual polar panel	-
5023015	380-430	9	80	+/-45°	15	28	Dual polar panel	-
5043010	380-430	11,8	80	+/-45°	-	19	Dual polar panel	-
5047000	380-400	-	83-106	Vertical	-	112	Panel, fire ret.	4,5
7129405	380-430	11	36	Vertical	-	55	Corner reflector	-
7148385	380-430	7,8	160	Vertical	5	20	Stacked dipoles	-
7148410	380-430	7,8	160	Vertical	-	20	Stacked dipoles	-
7497390	380-430	-	160	Vertical	-	18	Cardioïd stacked dip.	8
5201000	380-400	-	-	Vertical	-	36	2 in 1 colinears	4,9/5
5211000	380-400	-	-	Vertical	-	80	Ceiling mount omni	2
7047410	380-430	4	-	vertical	-	20	Stacked dipole omni	-
7051400	380-430	0	-	Vertical or horizontal	-	80	Centre-fed dipole	-
7501380	380-430	0	-	Vertical	-	80	end-fed dipole	-
7533395	380-410	3	-	Vertical	-	35	UHF colinear	-
7536395	380-410	5,5	-	Vertical	-	17	UHF colinear	-
7548380	380-400	-	-	Vertical	0	20,5	2 in 1 colinears	6,4/7,3
7548386	380-400	-	-	Vertical	6	16,5	2 in 1 colinears	6,4/7,3
7548392	380-400	-	-	Vertical	12	20,5	"2 in 1" colinears	6,4/7,3
7548415	380-400/ 410-430	4,2/5,1	-	Vertical	5	17	"2 in 1" colinears	-
7549200	380-400	7,8	-	Vertical	-	8,5	UHF colinear	-
7586312	380-400	5	-	Vertical	12	20	UHF colinear	-
7586390	380-400	5	-	Vertical	-	17	UHF colinear	-
MA521P00	380-400	-	-	Vertical	-	80	Ceiling mount omni	0

## Antennas: UHF 380-520 MHz (cont.)

Part No.	Frequency (Mhz)	Description	Gain/ (Quarterwave)	Termination	Whip	Series	Base
MA100PQ01	380...430	Low profile omni	0	RG58(5m)	Plastic shroud	Low profile	-
MA112P05	380-400	Quarterwave mag antenna	0	RG58(5m)	Stainless steel (dia:2,5mm)	Mini mag	Base dia:85mm
MA112P06	380-400	Quarterwave mag antenna	0	RG58(5m)	Stainless steel (dia:2,5mm)	Micro mag	Base dia:58,5mm
MA125P00	380-400	Colinear mag antenna	4	UHF(f) connector	S.steel + open coil	Heavy duty	-
MA125P01	380-400	Colinear mag antenna	4	RG58(5m)	S. steel+ open coil	Heavy duty	Base dia:125mm
MA125P02	380-400	Colinear mag antenna	4	RG58(5m)	S. steel+ open coil	Mini mag	Base dia:80mm
MA140PQ00	380-430	Halfwave antenna	2	RG58(4m) +FME	Plastic coated wire	Discrete	-
MA140PQ01	380-430	Halfwave antenna	2	RG58(4m) +FME	Plastic coated wire	Discrete	-
MA145P02	380-400	Colinear antenna	4	FME connector	Stainless steel (dia:2,5mm)	Discrete	-
MA145P03	380-400	Colinear antenna	4	RG58(5m)	Stainless steel (dia:2,5mm)	Discrete	-
MA152P00	380-400	Quarterwave antenna	0	RG58(5m)	Stainless steel (dia:7mm)	Heavy duty	-
MA152PS00	380-400	Quarterwave antenna	0	RG58(5m)	Stainless steel (dia:2,5mm)	Heavy duty	-
MA155P01	380-430	Colinear antenna	4	RG58(5m)	Stainless steel (dia:2,5mm)	Heavy duty	-
MA160PS00	380-470	Patch antenna	0	RG58(4,5m)	None	Discrete	-
MA531P01	380-400	Radio style antenna	0	RG58(5m)	Fibre	Discrete	-
MA531P02	380-400	Radio style antenna	0	None	Fibre black	Discrete	-
MA331P01	380-395	Quarterwave antenna	0	TNC	Helical	-	-
MA360P00	380-400	Quarterwave antenna	0	BNC(m) right angle	Flexible	-	-

## Antennas: UHF 380-520 MHz (cont.)

Selection Guide: Tetra 410-430 MHz								
Part No.	Frequency (Mhz)	Gain (dBd)	Hor.3db beamwidth(°)	Polarisation	Electrical tilt(°)	Vert. 3 db beamwidth(°)	Description	Gain (dBi)
5004400	410-430	6,3 to 9,3	Adjustable 90°,120°,140°..	Vertical	0	19	Adjustable corner reflector	-
5023010	380-430	9	80	+/-45°	-	28	Dual polar panel	-
5023015	380-430	9	80	+/-45°	15	28	Dual polar panel	-
5043010	380-430	11,8	80	+/-45°	-	19	Dual polar panel	-
5047420	410-430	-	106	Vertical	-	120	Panel,fire ret.	4,5
7019420	400-440	14	28	Vertical or horizontal	-	27	UHF yagi	-
7129405	380-430	11	36	Vertical	-	55	Corner reflector	-
7148385	380-430	7,8	160	Vertical	5	20	Stacked dipoles	-
7148410	380-430	7,8	160	Vertical	-	20	Stacked dipoles	-
7238	420-450	10	50	Vertical or horizontal	-	44	UHF yagi	-
7497390	380-430	-	160	Vertical	-	18	Cardioid stacked dip.	8
MA421PR01	400-440	2,5	145	vertical or horizontal	-	70	UHF shrouded yagi	-
MA421PR03	400-440	5,5	90	vertical or horizontal	-	60	UHF shrouded yagi	-
MA421PR04	400-430	7	70	Vertical or horizontal	-	52	UHF shrouded yagi	-
MA421PR05	400-440	9	55	Vertical or horizontal	-	45	UHF shrouded yagi	-
MA421PR06	400-440	10	50	Vertical or horizontal	-	43	UHF shrouded yagi	-
MA421PR07	400-440	11	42	Vertical or horizontal	-	35	UHF shrouded yagi	-
MA491QS10	406-428/ 420-445/ 440-470	10	25	Vertical	-	30	Corner reflector	-
7047410	380-430	4	-	vertical	-	20	Stacked dipole omni	-
7051400	380-430	0	-	Vertical or horizontal	-	80	Centre-fed dipole	-
7501380	380-430	0	-	Vertical	-	80	end-fed dipole	-
7533415	400-430	3	-	Vertical	-	35	UHF colinear	-
7536415	400-430	5,5	-	Vertical	-	17	UHF colinear	-
7548415	380-400/ 410-430	4,2/5,1	-	Vertical	5	17	"2 in 1" colinears	-
7549003	400-430	7,8	-	Vertical	-	8,5	UHF colinear	-
7586400	410-430	6	-	Vertical	-	17	Colinear omni	-
7586415	390-425	5	-	Vertical	5	17	UHF colinear	-
MA481PR00	400-430	0	-	Vertical	-	-	Shrouded dipole	-
MA481Q02	408-428	0	-	Vertical	-	-	End-fed dipole	-

## Antennas: UHF 380-520 MHz (cont.)

Part No.	Frequency (Mhz)	Vert. 3 db beamwidth (°)	Description	Gain (dBi)	Termination	Mounting	Whip	Length (cm)	Gain/ (Quarter-wave)	Series
7501450	420-470	80	-	0	N socket	Tube mounting bracket	Glass fibre shroud	58	-	-
MA100PQ01	380...430	-	Low profile omni	-	RG58(5m)	-	Plastic shroud	-	0	Low profile
MA100RS00	430...480	-	Low profile omni	-	RG58(5m)	-	Plastic shroud	-	0	Low profile
MA125Q00	400-439	-	Colinear mag antenna	-	UHF(f) connector	-	S.steel+open coil	-	4	Heavy duty
MA140PQ00	380-430	-	Halfwave antenna	-	RG58(4m)+FME	-	Plastic coated wire	-	2	Discrete
MA140PQ01	380-430	-	Halfwave antenna	-	RG58(4m)+FME	-	Plastic coated wire	-	2	Discrete
MA140QS00	410-470	-	Half wave antenna	-	RG58(4m)+FME	-	Plastic coated wire	-	2	Discrete
MA140QS01	410-470	-	Half wave antenna	-	RG58(4m)+FME	-	Plastic coated wire	-	2	Discrete
MA142Q41	410-430	-	Quarterwave antenna	-	RG58(3,8m)	-	Flexible whip	-	0	Discrete
MA142Q48	410-430	-	Quarterwave antenna	-	RG58(5m)+FME	-	Flexible whip	-	0	Discrete
MA142Q51	410-430	-	Quarterwave antenna	-	FME connector	-	Flexible whip	-	0	Discrete
MA155P01	380-430	-	Colinear antenna	-	RG58(5m)	-	Stainless steel (dia:2,5mm)	-	4	Heavy duty
MA155Q02	410-430	-	Colinear antenna	-	RG58(5m)+FME	-	S.steel+ open coil	-	4	Heavy duty
MA160PS00	380-470	-	Patch antenna	-	RG58(4,5m)	-	None	-	0	Discrete
MA301R00	403-435	-	Quarter wave antenna	-	FME	-	Flexible	-	0	-
MA331Q00	400-430	-	Quarterwave antenna	-	TNC	-	Rubber	-	0	-
MA331QR00	403-435	-	Quarterwave antenna	-	TNC	-	Flexible shortened	-	0	-
MA337Q00	400-430	-	Quarterwave antenna	-	TNC	-	Flexible	-	0	-
MA341Q00	400-430	-	Quarterwave antenna	-	BNC	-	Rubber	-	0	-
MA347Q00	400-430	-	Quarterwave antenna	-	BNC	-	Flexible	-	0	-
MA360Q00	414-428	-	Quarterwave antenna	-	BNC angled	-	Flexible	-	0	-

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Antennas

## Antennas: UHF 380-520 MHz (cont.)

Selection Guide: Tetra 450-470 MHz								
Part No.	Frequency (Mhz)	Gain (dBd)	Hor.3db beamwidth (°)	Vert. 3 db beamwidth (°)	Polarisation	Description	Power (watt)	Colour
MA608PS00	380-400/ 450-470	-	-	-	-	Three way diplexer	35	Black
5004100	450-470	6,3 to 9,3	90°/120°/140°/180°	19	Vertical	Adjust. sector antenna	-	-
MA421RS01	440-470	2,5	150	65	Vertical or horizontal	UHF shrouded yagi	-	-
MA421RS02	440-470	4,5	100	60	Vertical or horizontal	UHF shrouded yagi	-	-
MA421RS03	440-470	6	80	57	Vertical or horizontal	UHF shrouded yagi	-	-
MA421RS04	440-470	7,5	65	52	Vertical or horizontal	UHF shrouded yagi	-	-
MA421RS05	440-470	9	50	45	Vertical or horizontal	UHF shrouded yagi	-	-
MA421RS06	440-470	10	45	39	Vertical or horizontal	UHF shrouded yagi	-	-
MA421RS07	440-470	11	38	35	Vertical or horizontal	UHF shrouded yagi	-	-
7345	450-470	2	-	35	Horizontal	UHF scanning omni	-	-
7395	450-470	6	80	-	Circular	UHF downfiring ant.	-	-

Selection Guide: Tetra 450-470 MHz										
Part No.	Frequency (Mhz)	Gain (dBd)	Vert. 3 db beamwidth (°)	Polarisation	Description	Termination	Mounting	Whip	Gain/ (Quarter-wave)	Series
7501450	420-470	-	80	-	-	N socket	Tube mounting bracket	Glass fibre shroud	-	-
7533000	430-470	3	38	Vertical	UHF colinear	-	-	-	-	-
MA826RS00	440-470	6	-	Vertical	Stacked shrouded dip.	-	-	-	-	-
MA100RS00	430...480	-	-	-	Low profile omni	RG58(5m)	-	Plastic shroud	0	Low profile
MA125S00	440-470	-	-	-	Colinear mag antenna	UHF(f) connector	-	S.steel +open coil	4	Heavy duty
MA140QS00	410-470	-	-	-	Half wave antenna	RG58(4m) +FME	-	Plastic coated wire	2	Discrete
MA140QS01	410-470	-	-	-	Half wave antenna	RG58(4m) +FME	-	Plastic coated wire	2	Discrete
MA142S41	450-470	-	-	-	Quarterwave antenna	RG58(3,8m)	-	Flexible whip	0	Discrete
MA160PS00	380-470	-	-	-	Patch antenna	RG58(4,5m)	-	None	0	Discrete
MA311S02	435-470	-	-	-	Quarter wave antenna	M6 thread	-	Flexible	0	-

## Antennas: UHF 380-520 MHz (cont.)

Part No.	Frequency (Mhz)	Gain (dBd)	Vert. 3 db beamwidth (°)	Polarisation	Description	Hor.3db beamwidth (°)	Gain/ (Quarter-wave)	Termination	Whip	Series
7019460	440-470	14	27	Vertical or horizontal	UHF yagi	28	-	-	-	-
MA421RS03	440-470	6	57	Vertical or horizontal	UHF shrouded yagi	80	-	-	-	-
MA421RS04	440-470	7,5	52	Vertical or horizontal	UHF shrouded yagi	65	-	-	-	-
MA421RS05	440-470	9	45	Vertical or horizontal	UHF shrouded yagi	50	-	-	-	-
MA421RS06	440-470	10	39	Vertical or horizontal	UHF shrouded yagi	45	-	-	-	-
MA421RS07	440-470	11	35	Vertical or horizontal	UHF shrouded yagi	38	-	-	-	-
MA821S01	440-470	3	-	Vertical	UHF cardioid	180	-	-	-	-
7017	68...470	-1	100	Vertical	VHF/UHF ground plane	-	-	-	-	-
MA481RS00	440-470	0	-	Vertical	Shrouded dipole	-	-	-	-	-
MA481S02	440-470	0	-	Vertical	End-fed dipole	-	-	-	-	-
MA826RS00	440-470	6	-	Vertical	Stacked shrouded dip.	-	-	-	-	-
MA125S00	440-470	-	-	-	Colinear mag antenna	-	4	UHF(f) connector	S.steel + open coil	Heavy duty
MA140QS00	410-470	-	-	-	Half wave antenna	-	2	RG58(4m) +FME	Plastic coated wire	Discrete
MA140QS01	410-470	-	-	-	Half wave antenna	-	2	RG58(4m) +FME	Plastic coated wire	Discrete
MA331S00	440-470	-	-	-	Quarter wave antenna	-	0	TNC	Rubber	-
MA334S00	440-470	-	-	-	Colinear antenna	-	5	TNC	Flexible 3 pos. adjustable	-
MA337S00	440-470	-	-	-	Quarter wave antenna	-	0	TNC	Flexible	-
MA338S00	440-470	-	-	-	Quarter wave antenna	-	0	TNC	Helical	-
MA341S00	440-470	-	-	-	Quarter wave antenna	-	0	BNC	Rubber	-
MA343S00	440-470	-	-	-	Colinear antenna	-	5	BNC	Flexible	-
MA347S00	440-470	-	-	-	Quarter wave antenna	-	0	BNC	Flexible	-
MA348S00	440-470	-	-	-	Quarter wave antenna	-	0	BNC	Helical	-

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