


PRODUCT LINE - Base Station Antennas / Meander Collinear

Part Number	Product Name	Conn. Type	Freq Band	Nominal Gain dBd	Freq MHz	Vert Bea mwidth	Horiz Bea mwidth	Power W
Selection Guide 746-930 MHz	700/800 MHz Antenna Selection Guide	4.3-10	700/800	—	—	—	—	—
COL85-806-P	700/800 MHz Meander™ Collinear, 7dBd, 748-806MHz	4.3-10	700/800	7	746 - 806	13°	Omni +/- 0.5dB	250
COL811-806-P	700/800 MHz Meander™ Collinear, 9dBd, 748-806MHz	4.3-10	700/800	9	746 - 806	6.5°	Omni +/- 0.5dB	250
COL811-824-P	700/800 MHz Meander™ Collinear, 9dBd, 796-824MHz	4.3-10	700/800	9	796 - 824	6.5°	Omni +/- 0.5dB	250
COL81-806-P	700/800 MHz Meander™ Collinear, 0dBd, 746-806MHz	4.3-10	700/800	0	746 - 806	67°	Omni +/- 0.5dB	250



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Part Number	Product Name	Conn. Type	Freq Band	Nominal Gain dBi	2023 Case Parkway North, Twinsburg, OH 44087 Phone: (330)-486-0706, Fax: (330)-486-0705 sean.johnson@rfi.com	Freq MHz	Vert Beamwidth	Horiz Beamwidth	Power W
COL84-806-P	700/800 MHz Meander™ Collinear, 5dBd, 746-806MHz	4.3-10	700/800	5	746	806	16°	Omni +/- 0.5dB	250
COL85-870-P	800 MHz Meander™ Collinear, 7dBd, 806-870MHz	4.3-10	800	7		806 - 870	13°	Omni +/- 0.5dB	250
COL811-870-P	800 MHz Meander™ Collinear, 9dBd, 806-870MHz	4.3-10	800	9		806 - 870	6.5°	Omni +/- 0.5dB	250
COL85-930-P	800/900 MHz Meander™ Collinear, 7dBd, 850-930MHz	4.3-10	800/900	7		850 - 930	13°	Omni +/- 0.5dB	250
COL811-930-P	800/900 MHz Meander™ Collinear, 9dBd, 850-930MHz	4.3-10	800/900	9		850 - 930	6.5°	Omni +/- 0.5dB	250
COL81-930-P	800/900 MHz Meander™ Collinear, 0dBd, 850-930MHz	4.3-10	800/900	0		850 - 930	67°	Omni +/- 0.5dB	250
COL84-930-P	800/900 MHz Meander™ Collinear, 5dBd, 850-930MHz	4.3-10	800/900	5		850 - 930	16°	Omni +/- 0.5dB	250
COL81-870-P	800MHz Meander	4.3-10	800	0		806 - 870	67°	Omni +/- 0.5dB	250

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	TM Collinear, 0dBd, 80 6-870MH Z							
	TM Collinear, 5dBd, 80 6-870MH Z							
COL84-870-P	800MHz Meander TM Collinear, 5dBd, 80 6-870MH Z	4.3-10	800	5	806 - 870	16°	Omni +/- 0.5dB	250
Selection Guide 330-430 MHz	Global UHF Antenna Selection Guide	4.3-10	UHF	—	—	—	—	—
Selection Guide 400-520 MHz	Global UHF Antenna Selection Guide	4.3-10	UHF	—	—	—	—	—
Selection Guide 136-174 MHz	Global VHF Antenna Selection Guide	4.3-10	VHF	—	—	—	—	—
COL41-400-P	UHF Meander™ Collinear, 0dBd, 380-400MH Z	4.3-10	UHF	0	380 - 400	109°	Omni +/- 0.5dB	250
COL41-420-P	UHF Meander™ Collinear, 0dBd, 400-420MH Z	4.3-10	UHF	0	400 - 420	96°	Omni +/- 0.5dB	250
COL41-470-P	UHF Meander™ Collinear, 0dBd, 450-470MH Z	4.3-10	UHF	0	450 - 470	71°	Omni +/- 0.5dB	250
COL41-490-P	UHF Meander™ Collinear, 0dBd, 470-490MH Z	4.3-10	UHF	0	470 - 490	69°	Omni +/- 0.5dB	250



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COL41-520-P	UHF Meander™ Collinear. 0dBd. 490-520MHz	4.3-10	UHF	0	490 - 520	57°	Omni +/- 0.5dB	250	
COL43-400-P	UHF Meander™ Collinear. 5dBd. 380-400MHz	4.3-10	UHF	5	380 - 400	21°	Omni +/- 0.5dB	250	
COL43-420-P	UHF Meander™ Collinear. 5dBd. 400-420MHz	4.3-10	UHF	5	400 - 420	21°	Omni +/- 0.5dB	250	
COL43-430-P	UHF Meander™ Collinear. 5dBd. 410-430MHz	4.3-10	UHF	5	410 - 430	21°	Omni +/- 0.5dB	250	
COL43-470-P	UHF Meander™ Collinear. 5dBd. 450-470MHz	4.3-10	UHF	5	450 - 470	21°	Omni +/- 0.5dB	250	
COL43-490-P	UHF Meander™ Collinear. 5dBd. 470-490MHz	4.3-10	UHF	5	470 - 490	21°	Omni +/- 0.5dB	250	
COL43-520-P	UHF Meander™ Collinear. 5dBd. 490-520MHz	4.3-10	UHF	5	490 - 520	21°	Omni +/- 0.5dB	250	
COL45-400-P	UHF Meander™ Collinear. 7dBd. 380-400MHz	4.3-10	UHF	7	380 - 400	12.5°	Omni +/- 0.5dB	250	
COL45-420-P	UHF Meander™ Collinear.	4.3-10	UHF	7	400 - 420	12.5°	Omni +/- 0.5dB	250	



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	7dBd, 40-420MHz				sean.johnson@rfi.com.au, steve.lehman@rfi.com.au			
COL45-430-P	UHF Meander™ Collinear, 7dBd, 410-430MHz	4.3-10	UHF	7	410 - 430	12.5°	Omni +/- 0.5dB	250
COL45-470-P	UHF Meander™ Collinear, 7dBd, 450-470MHz	4.3-10	UHF	7	450 - 470	12.5°	Omni +/- 0.5dB	250
COL45-490-P	UHF Meander™ Collinear, 7dBd, 470-490MHz	4.3-10	UHF	7	470 - 490	12.5°	Omni +/- 0.5dB	250
COL45-520-P	UHF Meander™ Collinear, 7dBd, 490-520MHz	4.3-10	UHF	7	490 - 520	12.5°	Omni +/- 0.5dB	250
COL410-400-P	UHF Meander™ Collinear, 9dBd, 380-400MHz	4.3-10	UHF	9	380 - 400	7.2°	Omni +/- 0.5dB	250
COL410-420-P	UHF Meander™ Collinear, 9dBd, 400-420MHz	4.3-10	UHF	9	400 - 420	7.2°	Omni +/- 0.5dB	250
COL410-430-P	UHF Meander™ Collinear, 9dBd, 410-430MHz	4.3-10	UHF	9	410 - 430	7.2°	Omni +/- 0.5dB	250
COL410-470-P	UHF Meander™ Collinear, 9dBd, 450-470MHz	4.3-10	UHF	9	450 - 470	7.2°	Omni +/- 0.5dB	250

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COL410-490-P	UHF Meander™ Collinear, 9dBd, 470-490MHz	4.3-10	UHF	0	470 - 490	7.2°	Omni +/- 0.5dB	250	
COL410-520-P	UHF Meander™ Collinear, 9dBd, 490-520MHz	-	UHF	0	490 - 520	7.2°	Omni +/- 0.5dB	250	
COL51-140-P	VHF Meander™ Collinear, 0dBd, 130-140MHz	4.3-10	VHF	2.1 (0)	130 - 140	100°	Omni +/- 0.5dB	400	
COL51-150-P	VHF Meander™ Collinear, 0dBd, 140-150MHz	4.3-10	VHF	0	140 - 150	106°	Omni +/- 0.5dB	400	
COL51-160-P	VHF Meander™ Collinear, 0dBd, 150-160MHz	4.3-10	VHF	0	150 - 160	92°	Omni +/- 0.5dB	400	
COL51-166-P	VHF Meander™ Collinear, 0dBd, 156-166MHz	4.3-10	VHF	0	156 - 166	76°	Omni +/- 0.5dB	400	
COL51-174-P	VHF Meander™ Collinear, 0dBd, 162-174MHz	4.3-10	VHF	0	162 - 174MHz	82°	Omni +/- 0.5dB	400	
COL53-140-P	VHF Meander™ Collinear, 4dBd, 130-140MHz	4.3-10	VHF	4	130 - 140	23.4°	Omni +/- 0.5dB	400	
COL53-150-P	VHF Meander™ Collinear,	4.3-10	VHF	4	140 - 150	23.4°	Omni +/- 0.5dB	400	



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	4dBd, 14 0-150MH z				sean.johnson@rfi.com.au, steve.lehman@rfi.com.au			
COL53-160-P	VHF Meander™ Collinear, 4dBd, 15 0-160MH z	4.3-10	VHF	4	150 - 160	23.4°	Omni +/- 0.5dB	400
COL53-166-P	VHF Meander™ Collinear, 4dBd, 15 6-166MH z	4.3-10	VHF	4	156 - 166	23.4°	Omni +/- 0.5dB	400
COL53-174-P	VHF Meander™ Collinear, 4dBd, 16 0-174MH z	4.3-10	VHF	4	162 - 174	23.4°	Omni +/- 0.5dB	400
COL54-155-P	VHF Meander™ Collinear, 6dBd, 14 5-155MH z	4.3-10	VHF	6	145 - 155	17°	Omni +/- 0.5dB	400
COL54-160-P	VHF Meander™ Collinear, 6dBd, 15 0-160MH z	4.3-10	VHF	6	150 - 160	17°	Omni +/- 0.5dB	400
COL54-166-P	VHF Meander™ Collinear, 6dBd, 15 6-166MH z	4.3-10	VHF	6	156 - 166	17°	Omni +/- 0.5dB	400
COL54-174-P	VHF Meander™ Collinear, 6dBd, 16 2-174MH z	4.3-10	VHF	6	162 - 174	17°	Omni +/- 0.5dB	400