

**Electrical Specifications**

MEANDER COLLINEAR										
Model Number	COL84-806-P	COL84-870-P	COL84-930-P	COL85-806-P	COL85-870-P	COL85-930-P	COL811-806-P	COL811-824-P	COL811-870-P	COL811-930-P
Nominal Gain <i>dBd</i> (dBi)	5 (7.1)	5 (7.1)	5 (7.1)	7 (9.1)	7 (9.1)	7 (9.1)	9 (11.1)	9.0 (11.1)	9 (11.1)	9 (11.1)
Frequency <i>MHz</i>	746-806	806-870	850-930	746-806	806-870	850-930	746-806	796-824	806-870	850-930
Tuned Bandwidth <i>MHz</i>	Full band	Full band	Full band	Full	Full	Full	Full	Full	Full	Full
VSWR	<1.5 :1	<1.5 :1	<1.5 :1	<1.5 :1	<1.5 :1	<1.5 :1	<1.5 :1	<1.5 :1	<1.5:1	<1.5 :1
Nominal Impedance $\Omega$	50	50	50	50	50	50	50	50	50	50
Downtilt	-	-	-	NA	NA	NA	NA	NA	NA	NA
Vertical Beamwidth $^{\circ}$	16	16	16	13 $^{\circ}$	13 $^{\circ}$	13 $^{\circ}$	6.5 $^{\circ}$	6.5 $^{\circ}$	6.5 $^{\circ}$	6.5 $^{\circ}$
Horizontal Beamwidth $^{\circ}$	Omni +/- 0.5dB	Omni +/- 0.5dB	Omni +/- 0.5dB	Omni +/- 0.5dB	Omni +/- 0.5dB	Omni +/- 0.5dB	Omni +/- 0.5dB	Omni +/- 0.5dB	Omni +/- 0.5dB	Omni +/- 0.5dB
Input Power <i>Watts</i>	250	250	250	250	250	250	250	250	250	250
Passive IM 3rd order (2x20W) <i>dBc</i>	-150	-150	-150	<-150	<-150	<-150	<-150	<-150	<-150	<-150
Peak Instantaneous Power ( <i>kW</i> )	25	25	25	25	25	25	25	25	25	25

**Mechanical Specifications**

MEANDER COLLINEAR											
Model Number	COL84-806-P	COL84-870-P	COL84-930-P	COL85-806-P	COL85-870-P	COL85-930-P	COL811-806-P	COL811-824-P	COL811-870-P	COL811-930-P	
Construction & Configuration	Composite fiberglass sky blue radome, aluminum mounting tube										
Length <i>inches</i>	67.8	64.3	61.7	77	73	69	142	138.6	133	126	
Weight <i>lbs</i>	6.6			4.8	4.6	4.5	7.3	7.1	6.9	6.6	
Shipping Weight <i>lbs</i>	11			9	9	9	11	11	11	11	
Shipping Dimensions <i>inches</i>	H	2.5			3	3	3	3	3	3	
	W	2.5			3	3	3	3	3	3	
	L	75	71	69	83	79	79	149	145.7	138	
Termination	4.3-10 fixed female										
Mounting Area	20" x 2" diam. Aluminum										
Suggested Clamps (not included)	2 x UC1			UC12							
Projected Area <i>ft²</i>	No ice	0.9	0.7	0.7	0.9	0.8	0.8	1.8	1.7	1.6	1.5
	With ice	1.2	1.1	1.1	1.4	1.3	1.2	2.9	2.9	2.7	2.6
Lateral Thrust @ 100mph <i>lbs</i>	19	18	17	22	21	20	43	43	40	38	
Wind Gust Rating <i>mph</i>	No ice	150	150	150	>150	>150	>150	>150	>150	>150	>150
	With ice	-	-	-	>150	>150	>150	>150	>150	>150	>150
Torque @100mph <i>ft-lbs</i>	40	35	32	38	32	27	193	183	164	144	



**Electrical Specifications**

CORPORATE COLLINEAR												
Model Number	CC807-03-P		CC807-06-P		CC807-08-P		CC807-09-P		CC807-11-P		CC807-12-P	
Nominal Gain <i>dBd (dBi)</i>		3 (5.1)		6 (8.1)		8 (10.1)		9 (11.1)		10.5 (12.6)		11.5 (13.6)
Frequency <i>MHz</i>		746-870		746-870		746-870		746-870		746-870		746-870
Tuned Bandwidth <i>MHz</i>		Full		Full		Full		Full		Full		Full
VSWR		<1.5 :1		<1.5 :1		<1.5 :1		1.5 :1		<1.5 :1		1.5 :1
Nominal Impedance $\Omega$		50		50		50		50		50		50
Downtilt		NA		0°(std), 3°, 5°		0°(std), 1°, 3°, 5°		0°(std), 2°, 4°		0°(std), 1°, 3°, 5°		0°(std), 2°, 4°
Vertical Beamwidth °		28		17		9		8		4.5		4
Horizontal Beamwidth °		Omni +/-0.5dB		Omni +/-0.5dB		Omni +/-0.5dB		Omni +/-0.5dB		Omni +/-0.5dB		Omni +/-0.5dB
Input Power <i>Watts</i>		250		500		500		500		500		500
Passive IM 3rd order (2x20W) <i>dBc</i>		<-150		<-150		<-150		-150		<-150		-150
Peak Instantaneous Power ( <i>kW</i> )		25		25		25		25		25		25

**Mechanical Specifications**

CORPORATE COLLINEAR													
Model Number	CC807-03-P		CC807-06-P		CC807-08-P		CC807-09-P		CC807-11-P		CC807-12-P		
Construction & Configuration	Composite fiberglass sky blue radome, aluminum mounting tube						Sky blue fibreglass radome		Composite fiberglass sky blue radome, aluminum mounting tube		Sky blue fibreglass radome		
Length <i>inches</i>	48		69		114		123.4		206		245.5		
Weight <i>lbs</i>	9		16		27		30.9		49		56.2		
Shipping Weight <i>lbs</i>	18		25		40		44.1		88		80.5		
Shipping Dimensions <i>inches</i>	H	6		6		6		4.5		6		4.5	
	W	6		6		6		4.5		6		4.5	
	L	55		75		119		131.3		220		253.3	
Termination	4.3-10 fixed female												
Mounting Area	20" x 3.5" diam. aluminum						30" x 3.5" diam. aluminum						
Field Invertable	Yes. Excludes tilt variants						-		Yes. Excludes tilt variants		-		
Suggested Clamps (not included)	UC1143						3 x UC114		UC1143		3 x UC114		
Projected Area <i>ft²</i>	No ice	0.9		1.4		2.5		2.8		4.9		6.0	
	With ice	1.2		1.7		3.1		3.4		6.2		7.6	
Lateral Thrust @ 100mph <i>lbs</i>	22		34		62		69		130		148		
Wind Gust Rating <i>mph</i>	No ice	>150		>150		>150		150		>150		150	
	With ice	>150		>150		>150		-		>150		-	
Torque @100mph <i>ft-lbs</i>	15		54		205		305		761		1345		

(1) Factory pre-set downtilt as shown in individual product spec, may be specified upon ordering using model number trailer- T1, T3, -T5 eg. CC807-06-T3









# Omni Directional Panel Antennas

746 - 960 MHz



## Electrical Specifications

PANEL ANTENNAS												
Model Number	BPA7496-120-12-P		BPA7496-120-15-P		BPA7496-180-11-P		BPA7496-180-14-P		BPA7496-60-13-P		BPA7496-60-15-P	
Nominal Gain <i>dBd</i> ( <i>dBi</i> )		10 (12)		13 (15)		9 (11)		12 (14)		11 (13)		13 (15)
Frequency <i>MHz</i>		740-960		740-960		740-960		740-960		740-960		740-960
Tuned Bandwidth <i>MHz</i>		Entire Band		Entire Band		Entire Band		Entire Band		Entire Band		Entire Band
VSWR		<1.5 :1		<1.5 :1		<1.5 :1		<1.5 :1		<1.5 :1		<1.5 :1
Nominal Impedance $\Omega$		50		50		50		50		50		50
Downtilt		2° to 16° adjustable		0° to 8° adjustable		2° to 16° adjustable		0° to 8° adjustable		2° to 16° adjustable		2° to 16° adjustable
Vertical Beamwidth °		14		7		13		7		25		14
Horizontal Beamwidth °		120		120±10		180		170±10		60		60±5
Input Power <i>Watts</i>		500		500		500		500		500		500
Passive IM 3rd order (2x20W) <i>dBc</i>		<-150		<-150		<-150		<-150		<-150		<-150
Peak Instantaneous Power ( <i>kW</i> )		25		25		25		25		25		25

## Mechanical Specifications

PANEL ANTENNAS													
Model Number	BPA7496-120-12-P		BPA7496-120-15-P		BPA7496-180-11-P		BPA7496-180-14-P		BPA7496-60-13-P		BPA7496-60-15-P		
Construction & Configuration	Fully enclosed in radome												
Length <i>inches</i>	60		111		60		111		35.4		35.4		
Weight <i>lbs</i>	17		38		17		38		11		17		
Shipping Weight <i>lbs</i>	35		44		35		44		29		35		
Shipping Dimensions <i>inches</i>	H				6								
	W				10.4								
	L		60		111		60		111		35.4		35.4
Termination	4.3-10 fixed female												
Suggested Clamps (included)	Adjustable mechanical downtilt style (0-8°)												
Clamps Diameter <i>inches</i>	Ø2.8 to Ø4.7												
Wind Load @ 150km/h <i>N</i> Frontal/Lateral/Rearside	-		810/443/810		-		810/443/810		-		438/239/438		
Max. Wind Velocity <i>mph</i>	-		130		-		130		-		130		

