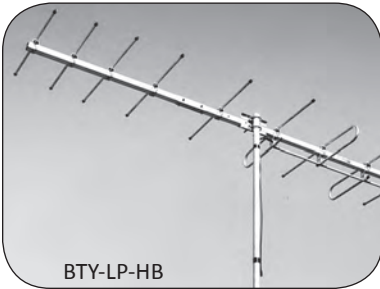
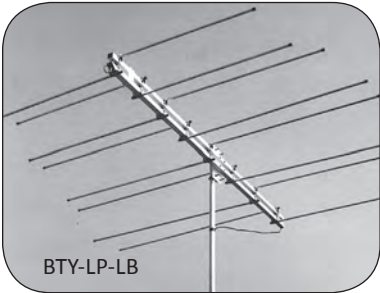


VHF/UHF Antennas

BTY Series



○ Broadband Features & Benefits

- High Gain, Low Sidelobes
- Foam-Filled Elements Dampen Vibration
- Cantilever Mounts Available
- BTY-LP-BB joins with BTY-UHF-BB for complete VHF/UHF Antenna (requires U/V mounting kit # 4882)

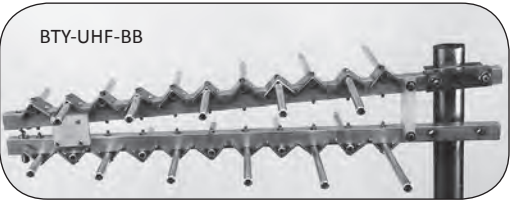
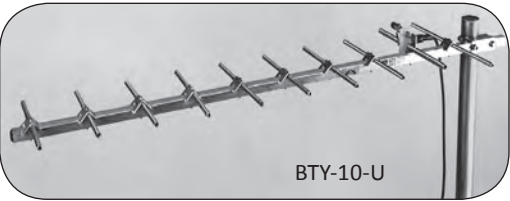
○ Specifications

Model:	BTY-LP-LB	BTY-LP-HB	BTY-LP-BB
Band	LB	HB	BB
VHF Channel:	2 to 6	7 to 13	2 to 13
Bandwidth (MHz):	55-88	174-216	54-88; 174-216
Gain (dBi):	9	12.2	8.2
3 dB Beamwidth Horizontal (Degrees):	57	50.5	70
Front to Back Ratio (dB):	22	20	18
Return Loss (dB):	14	12	12
Impedance:	75 Ω		
Connector:	"F" Female		
Number of Elements:	8	10	12
Boom Length (Inches):	86	104	96.4
Max Element Width (Inches):	109.13	35.5	114.13
Boom Material:	6063-T6 Alum. Tube 1.25" square, 0.062" wall		
Element Material:	6063-T52 Alum. Tube 0.5" round, 0.049" wall		
Max Cross Sectional Area (sq. ft.):	1.9	1.3	2
Wind Resistance @ 100 MPH (No Ice, in lbs.):	76.2	52	80
Shipping Weight (lbs.):	15.25	13.25	17.75

Specifications and Ordering Information are located on the following page.

VHF/UHF Antennas

BTY Series



UHF Features & Benefits

- High Gain, Low Sidelobes
- BTY-UHF-BB Joins with BTY-LP-BB for a Combined U/V Antenna
- HDTV Compatible
- Rear Mount Simplifies Tower Mounting

Specifications

UHF	BTY-10-U						BTY-UHF-BB
Model:							UHF
Band	A	B	C	D	E	F	14 to 69
Channels:	(14-19)	(20-26)	(27-34)	(35-44)	(45-56)	(57-69)	
Bandwidth (MHz):	470-506	506-548	548-596	596-656	656-728	728-806	470-860
Gain (dBi):	12.2	14.2	13.2	12.2	12.2	12.2	10.2
3 dB Beamwidth (Horizontal Degrees):	46	46	46	46	46	46	62
Front to Back Ratio (dB):	21	16	19	20	18	14	18
Return Loss (dB):	18	16	18	16	15	14	12
Impedance:	75 Ω						
Connector:	"F" Female						
Number of Elements:	10	10	10	10	10	10	11
Boom Length (Inches):	48.58	48	44.06	42.94	39	37.88	24
Max Element Width (Inches):	12.88	12.44	11	10.5	10	9.13	13
Boom Material:	6063-T6 Alum. Tube 0.75" Square, 0.062" Wall						
Element Material:	6063-T52 Alum. Tube 0.375" Round, 0.049" Wall (Dipole .5" Round, 0.049 Wall)						
Max Cross Sectional Area (sq. ft.):	0.468	0.468	0.468	0.468	0.468	0.468	0.341
Wind Resistance @ 100 MPH (No Ice, in lbs.):	16.52	16.52	16.52	16.52	16.52	16.52	13.6
Shipping Weight (lbs.):	4.25	4.25	4.25	4.25	4.25	4.25	5.38

Ordering Information

Model	Stock No.	Description
BTY-10-HB	4867-xx	Antenna Single Channel High-Band VHF, 10 Elements, 174-216 MHz
BTY-LP-HB	4871	Antenna Broadband High-Band VHF, 10 Elements, 174-216 MHz
BTY-LP-LB	4872	Antenna Broadband Low-Band VHF, 8 Elements, 55-88 MHz
BTY-10-U	4873-xx	Antenna Single Channel UHF, 10 Elements, 470-806 MHz
BTY-LP-BB	4874	Antenna Broadband VHF, 12 Elements, 54-88/174-216 MHz
BTY-UHF-BB	4875	Antenna Broadband UHF Antenna, 11 Elements, 470-890 MHz
BTY-UVMK	4882	BTY Series U/V Mounting Kit