



**ACCESSORIES** +

## US/CANADA ANTENNAS 400MHZ BAND

PCTEL Antenna's for use with ELPRO products in the 400MHz band

### OMNI DIRECTIONAL

This antenna series consists of base-matched half wave antennas encapsulated in a heavy duty fiberglass radome with a thick walled aluminum mounting base for reliable long term communication and are suitable for use with all ELPRO 400MHz products. All antennas are DC grounded and UPS shippable.



### SPECIFICATIONS

Parameters	MFB4500/MFB4600	MFB4503/MFB4603	MFB4505/MFB4605	BOA4357
Frequency	450-460/460-470MHz	450-460/460-470MHz	450-460MHz	430-470MHz
Gain	2dBi	5dBi	7dBi	7.1dBi
H-Plane	Omni directional (360°)	Omni directional (360°)	Omni directional (360°)	Omni directional (360°)
E-Plane	90°	38°	27°	18°
Bandwidth	10MHz			40MHz
VSWR	Less than 1.5:1 ratio across tuned band			Less than 1.7:1
Polarization	Vertical			
Termination	N-type male with 16" jumper	N-type male with 16" jumper	N-type male with 16" jumper	N-type female bulkhead
Housing	Fiberglass, aluminium	Fiberglass / aluminium	Fiberglass / aluminium	Fiberglass / aluminium
Mounting	1 -5/16" OD ø	1 -5/16" OD ø	1 -5/16" OD ø	2" OD ø
Wind loading at 160Km/h (99mph)	7.5lbs (3.4g)	16.4lbs (7.4kg)	21.8lbs (9.9kg)	Wind Rated 125mph
Bracket Included	No	No	No	Yes
<b>Dimensions</b>				
Size (length)	30" (762mm)	51" (1.3m)	77" (1.95m)	83" (2.1m)
Weight	1lbs (453g)	4lbs (1.8kg)	4.5lbs (2.1kg)	4.5lbs (3.2kg)



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## YAGI ANTENNAS

PCTEL's 400 MHz frequency series is engineered to meet the requirements of a high gain, broadband, premium quality antenna. The antenna is manufactured using high strength 6061-T6 aluminum to withstand heavy ice, high wind and other harsh conditions. Suitable for use with all ELPRO 400MHz products.



## SPECIFICATIONS

Parameters	BMYD450G	BMYD450K	BMOY4405
Frequency	450-470MHz	450-470MHz	440-480MHz
Gain	8.6dBi	12.1dBi	11.2dBi
H-Plane	104°	50°	52°
E-Plane	65°	45°	45°
F/B ratio	15dB	20dB	15dB
Bandwidth	20Mhz	20Mhz	40Mhz
VSWR	Less than 1.5:1 ratio across band		
Polarization	Vertical or Horizontal as per license application		
Termination	N-type fem on 2' (600mm) RG213 tail	N-type fem on 2' (600mm) RG213 tail	N-type female (end-fed)
Housing	Anodized 6061-T6 aluminum	Anodized 6061-T6 aluminum	Aluminum, Stainless hardware
Mounting	1.25"-2.5" OD ø	1.25"-2.5" OD ø	1.25"-2.5" OD ø
Wind loading at 160Km/h (99mph)	6.3lbs (2.8kg)	18.4lbs (8.3kg)	Survival: 200 mph with no ice. 110 mph with 0.5" radial ice build-up.
Bracket Included	Yes (BMC1001)	Yes (BMC1001)	Yes (BMC1001)
<b>Dimensions</b>			
Size (length)	18"x12.9" (460x330mm)	42"x12" (1m.x305mm)	34"x0.75" (0.86m.x20mm)
Weight	2lbs (0.9kg)	3lbs (1.4kg)	2lbs (.91kg)

## HOW TO ORDER **Note: Shipping to other countries, also available - Contact US Sale Team for details**

### Order Codes

<b>ANTMFB4500</b>	Omni directional, 450-460Mhz, 2dBi Gain, 30" (762mm), N Type male on 16" tail, Bracket not included - add ANT-MMK12-HD
<b>ANTMFB4503</b>	Omni directional, 450-460Mhz, 5dBi Gain, 51" (1.3m), N Type male on 16" tail, Bracket not included - add ANT-MMK12-HD
<b>ANTMFB4505</b>	Omni directional, 450-460Mhz, 7dBi Gain, 77" (1.95m), N Type male on 16" tail, Bracket not included - add ANT-MMK12-HD
<b>ANTMFB4600</b>	Omni directional, 460-470Mhz, 2dBi Gain, 30" (762mm), N Type male on 16" tail, Bracket not included - add ANT-MMK12-HD
<b>ANTMFB4603</b>	Omni directional, 460-470Mhz, 5dBi Gain, 51" (1.3m), N Type male on 16" tail, Bracket not included - add ANT-MMK12-HD
<b>ANTMFB4605</b>	Omni directional, 460-470Mhz, 7dBi Gain, 77" (1.95m), N Type male on 16" tail, Bracket not included - add ANT-MMK12-HD
<b>ANTBOA4357</b>	Omni directional, 430-470Mhz, 7.1dBi Gain, 83" (2.1m), N-type female bulkhead, BAM1005 mounting bracket included
<b>ANTBMYD450G</b>	Directional Yagi, 450-470Mhz, 8.6dBi Gain, 3 Element, 18" (0.4m), N Type female on 2' tail, BWC1001A mounting bracket included
<b>ANTBMYD450K</b>	Directional Yagi, 450-470Mhz, 12.1dBi Gain, 7 Element, 42" (1.0m), N Type female on 2' tail, BWC1001A mounting bracket included
<b>ANTBMOY4405</b>	Directional Yagi, 440-480Mhz, 11.2dBi Gain, 5 Element, 34" (0.86m), N Type Bulkhead, BWC1001 mounting bracket included
<b>ANT-MMK12-HD</b>	Mounting bracket - Heavy Duty Sand Cast Mounting Bracket.
<b>ANT-BR-BAM1009</b>	Mounting bracket - Aluminum L Bracket for mounting to parallel or perpendicular pipe or mast.

## CONTACT

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## INQUIRIES

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