USA CANADA ONLY

ELPRO Technologies

ACCESSORIES

US/CANADA ANTENNAS
900MHZ BAND

PCTEL Antenna's for use with ELPRO products in the 900MHz 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 900MHz products. All antennas are Factory tuned, DC grounded and UPS shippable.

SPECIFICATIONS

Parameters	MFB9153 *	MFB9155NF	MFB9157NF *
Frequency	902-928MHz	902-928MHz	902-928MHz
Gain	3dBi	5dBi	7dBi
H-Plane	Omni directional (360º)	Omni directional (360º)	Omni directional (360º)
E-Plane	40º	22º	17º
Bandwidth		26MHz	
VSWR		Less than 1.5:1 ratio across band	
Polarization		Vertical	
Termination	N-type female	N-type male with 2' RG213	N-type male with 2' RG213
Housing	Fiberglass / aluminium	Fiberglass / aluminium	Fiberglass / aluminium
Mounting	1 -5/16" OD ø	1 -5/16" OD ø	2" OD ø
Wind loading at 160Km/h (99mph)	8.6lbs-ft (1.2kg-m)	23lbs-ft (3.2kg-m)	41lbs-ft (5.6kg-m)
Bracket Included	No	No	No
Dimensions			
Size (length)	23" (580mm)	50" (1.3m)	95" (2.4m)
Weight	1.25lbs (.57kg)	1.75lbs (.78kg)	4lbs (1.8kg)

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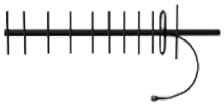
YAGI ANTENNAS

PCTEL's 900 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 900MHz products.

SPECIFICATIONS



Parameters	BMYD890G	BMOY9006	BMYD890M	BMY890O *
Frequency	890-960MHz	890-960MHz	890-960MHz	890-960MHz
Gain	8.6dBi	12.1dBi	14.1dBi	16.1dBi
H-Plane	100º	50º	40º	32º
E-Plane	62º	45º	34º	26º
F/B ratio	15dB	15dB	20dB	25dB
Bandwidth	70Mhz	70Mhz	70Mhz	70Mhz
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 female-boom end feed	N-type fem on 2' (600mm) RG213 tail	N-type fem on 2' (600mm) RG213 tail
Housing	Anodized 6061-T6 aluminum	Anodized 6061-T6 aluminum	Anodized 6061-T6 aluminum	Anodized 6061-T6 aluminum
Mounting	1.25"-2.5" OD ø	1.25"-2.5" OD ø	1.25"-2.5" OD ø	1.25"-2.5" OD ø
Wind loading at 150Km/h (99mph)	6.2lbs (2.8kg)	9.5lbs (4.5kg)	26.7lbs (12.1kg)	45.5lbs (20.6kg)
Bracket Included	Yes (BMC1001)	Yes (BMC1001)	Yes (BMC1001)	Yes (BMC1001)
Dimensions				
Size (length)	12"x6.75" (304x171mm)	23.6"x6.75" (600x171mm)	36"x6.75" (905x171mm)	63"x6.75" (1.6m.x171mm)
Weight	1.4lbs (0.65kg)	1.1lbs (0.5kg)	2.5lbs (1.1kg)	3.6lbs (1.6kg)

HOW TO ORDER

Note: Shipping to other countries, may available - Contact US Sale Team for details

Order Codes	
ANTMFB9153 *	Omni directional, 902-928Mhz, 3dBi Gain, 23" (580mm), N Type female, Bracket not included - add bracket from below
ANTMFB9155NF	Omni directional, 902-928Mhz, 5dBi Gain, 51" (1.3m), N Type male on 2' tail, Bracket not included - add bracket from below
ANTMFB9157NF *	Omni directional, 902-928Mhz, 7dBi Gain, 95" (2.4m), N Type male on 2' tail, Bracket not included - add bracket from below
ANTBMYD890G	Directional Yagi, 890-960Mhz, 8.6dBi Gain, 3 Element, 12" (0.4m), N Type female on 2' tail, BMC1001 mounting bracket included
ANTBMOY9006	Directional Yagi, 890-960Mhz, 12.1dBi Gain, 6 Element, 23" (0.3m), N Type female Bulkhead, BMC1001 mounting bracket included
ANTBMYD890M	Directional Yagi, 890-960Mhz, 14.1dBi Gain, 11 Element, 36" (0.6m), N Type female on 2' tail, BMC1001 mounting bracket included
ANTBMYD890O *	Directional Yagi, 890-960Mhz, 16.1dBi Gain, 18 Element, 63" (1.6m), N Type female on 2' tail, BMC1001 mounting bracket included
ANT-MMK12-HD *	Mounting bracket - Heavy Duty Sand Cast Mounting Bracket.
ANT-BR-BAM1009	Mounting bracket - Aluminum L Bracket for mounting to parallel or perpendicular pipe or mast.

*NOT STOCKED

*** Accessories are no longer stocked by ELPRO US Warehouse - available from original supplier PCTEL or their distributors**

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INQUIRIES

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