



## UHF ANTENNAS

### DIGIMATCH X-TYPE UHF

02MM-DG9I 02.19

### MAGNA X-TYPE UHF

02MM-MDU12 02.19

02MM-MDU18 02.20

02MM-MDU23 02.20

02MM-MDU30 02.20

02MM-MDU36 02.21

02MM-MDU43 02.21

02MM-MDU9I 02.21

### DIGIMATCH UHF ANTENNAS

02MM-DR12 02.22

02MM-DR12P 02.22

02MM-DR18A 02.22

02MM-DR18B 02.22

02MM-DR20 02.23

### HIGH GAIN WISI

02MM-EE06 02.23

02MM-EE06-1 02.23

### UHF LOG PERIODIC

02MM-LP45F 02.24



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# UHF ANTENNAS

## DIGIMATCH X-TYPE UHF

ANTENNA UHF (21-69) 91 ELEMENT

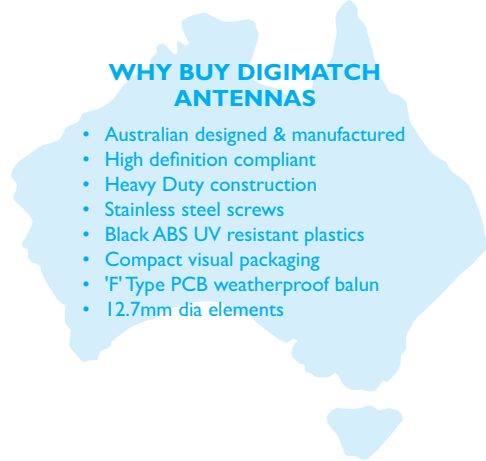
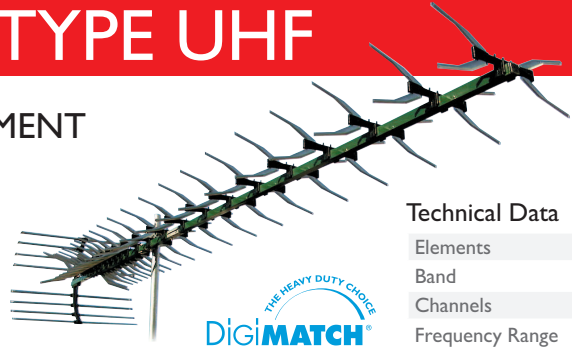
### 02MM-DG91

**Application**

Suitable for fringed/long range ultra high frequency signal areas where you require the best

**Features**

- Clip on elements for easy installation
- Analogue and Digital Compatible
- High visual impact packaging
- X type elements for increased gain and wideband performance
- 'F' Type PCB balun for quick installation and improved VSWR
- Elements are designed to be bird proof to ensure longer life antenna
- Optional extra – stand off boom Part No. 11MM-SM1-15 for vertical mounting



- WHY BUY DIGIMATCH ANTENNAS**
- Australian designed & manufactured
  - High definition compliant
  - Heavy Duty construction
  - Stainless steel screws
  - Black ABS UV resistant plastics
  - Compact visual packaging
  - 'F' Type PCB weatherproof balun
  - 12.7mm dia elements

**Technical Data**

Elements	91
Band	B4, B5
Channels	(21-69)
Frequency Range	470-860MHz
Max. Gain	16dB
Front/Back Ratio	>26dB
Half Power Beam Width Horizontal	30°
Half Power Beam Width Vertical	33.3°
Wind loading Horizontal	109N
Boom Length	2238mm (split boom)
Balun Type	'F' Type PCB
Packing Type/Unit	Inner: 1 Outer: 5
Inner Carton Size	1650 x 245 x 95mm
Weight	2.93kg

## MAGNA X-TYPE UHF

ANTENNA UHF (28-69) 12 ELEMENT

### 02MM-MDU12

**Application**

Suitable for strong signal areas

**Features**

- The patented 'Triplex Dipole' provides extra band 4 performance
- X type dipole provides increased gain
- All MAGNA models exhibits Matchmaster's 'F' type PCB baluns for quick installation, improved VSWR and interference reduction as well as UV resistant black plastic for long life



**Technical Data**

Elements	12
Band	B3, B4
Channels	28-69
Frequency Range	520-860 MHz
Max. Gain	9dB
AV VSWR	<2.5:1
Front/Back Ratio	15dB
Boom Length	
Balun Type	'F' Type PCB
Packing Type/Unit	Inner: 1 Outer:
Inner Carton Size	61 x 170 x 61mm

Products may vary from picture shown



## ANTENNA UHF (28-69) 18 ELEMENT 02MM-MDU18

### Application

Wind resistant and suitable for strong signal areas.

### Features

- Analogue & Digital Compatible
- The best value in it's class
- Easy Horizontal / Vertical mounting - no additional bars required
- Compact high visual impact packaging
- X Type Elements for increased gain & wideband performance
- 'F' Type PCB balun for quick installation, improved VSWR and interference reduction
- Heavy gauge phasing harness, extruded back screen & UV resistant black plastics for strength & durability



### Technical Data

Elements	18
Band	B4, B5
Channels	(28-69)
Frequency Range	470-860MHZ
Max. Gain	8dB
Front/Back Ratio	> 15dB
Balun Type	'F' Type PCB
Packing Type/Unit	1
Inner Carton Size	550 x 408 x 90mm
Weight	1.5kg

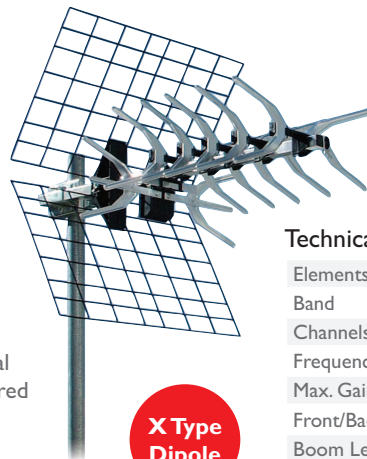
## ANTENNA UHF (21-69) 23 ELEMENT X-TYPE 02MM-MDU23

### Application

Suitable for tree lined areas and undulating terrain, medium signal areas where ghost rejection and good multiplex flatness is required

### Features

- Channels (21-69)
- UV resistant black plastics
- F Type PCB balun for quick installation & improved VSWR
- X type elements for increased gain & wideband performance



### Technical Data

Elements	23
Band	B4, B5
Channels	(21-69)
Frequency Range	470-860MHz
Max. Gain	10dB
Front/Back Ratio	> 18dB
Boom Length	604mm
Cable Connection	'F' Type
Packing Type/Unit	Inner: 1 Outer: 10
Inner Carton Size	680 x 328 x 62mm
Weight	1.5kg

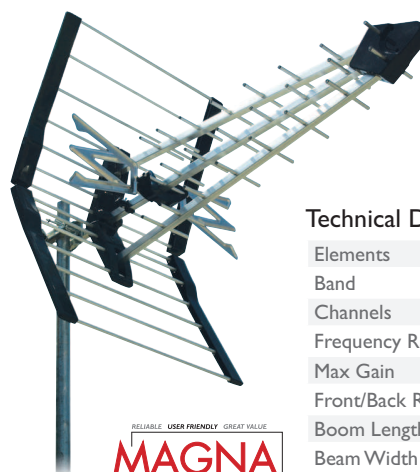
## ANTENNA UHF (28-69) 30 ELEMENT HI GAIN TRI-BOOM 02MM-MDU30

### Application

Suitable for tree lined areas and undulating terrain, medium signal areas where ghost rejection and good multiplex flatness is required

### Features

- Receives UHF Channels (28-69)
- HDTV Compliant
- Fast assembly, the antenna is unfolded by simply pressing a button
- High Gain
- Tri-Boom construction in H Plane helps eliminate multi-path in vertical polarisation areas
- 90° or 120° Mode



### Technical Data

Elements	30
Band	B4, B5
Channels	(28-69)
Frequency Range	470-860MHz
Max Gain	11-14dB
Front/Back Ratio	20-27.5dB
Boom Length	1140mm
Beam Width H/V	H32° - V29°
Impedance	75Ω
Packing Type/Unit	Inner: 1
Inner Carton Size	519 x 120 x 1100mm
Weight	3kg

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# UHF ANTENNAS

## ANTENNA UHF(21-69) 36 ELEMENT X-TYPE PHASED ARRAY

### 02MM-MDU36

**Application**  
Suitable for tree lined areas and undulating terrain.  
Ideal for stacking across water where reflection is a problem.

- Features**
- Channels/Perimeters: (21-69)
  - Heavy gauge phasing harness
  - Extruded back screen
  - Easily mounted Horizontally or Vertically



**Technical Data**

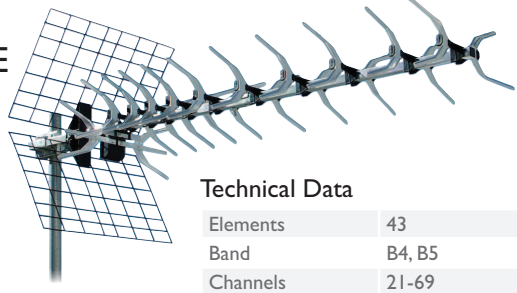
Elements	36
Band	B4, B5
Channels	21-69
Frequency Range	470-860MHz
Max. Gain	12dB
Front/Back Ratio	20dB
Half Power Beam Width Horizontal	48°
Half Power Beam Width Vertical	29°
Cable Connection	'F' type
Packing Type/Unit	Inner: I Outer:
Inner Carton Size	100 x 558 x 100mm
Weight	2kg

## ANTENNA UHF (21-69) 43 ELEMENT X-TYPE

### 02MM-MDU43

**Application**  
Suitable for tree lined areas and undulating terrain, medium signal areas where ghost rejection and good multiplex flatness is required

- Features**
- Channels/Perimeters: (21-69)
  - UV resistant black plastics
  - 'F' Type PCB balun for quick installation & improved VSWR
  - X type elements for increased gain & wideband performance



**Technical Data**

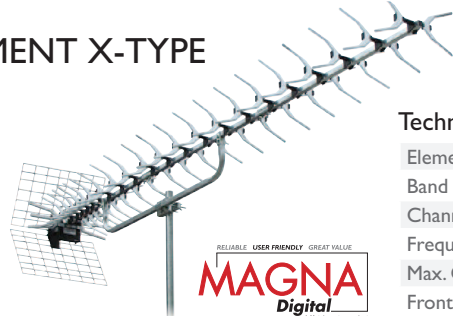
Elements	43
Band	B4, B5
Channels	21-69
Frequency Range	470-860MHz
Max. Gain	13dB
Front/Back Ratio	>20dB
Boom Length	1070mm
Cable Connection	'F' Type
Packing Type/Unit	Inner: I Outer: 10
Inner Carton Size	353 x 668 x 67.5mm
Weight	2kg

## ANTENNA UHF (21-69) 91 ELEMENT X-TYPE

### 02MM-MDU91

**Application**  
Suitable for fringed/long range ultra high frequency signal areas where you require the best

- Features**
- Channels/Perimeters: (21-69)
  - UV resistant black plastics
  - 'F' Type PCB balun for quick installation & improved VSWR
  - Compact high visual impact packaging
  - X type elements for increased gain & wideband performance



**Technical Data**

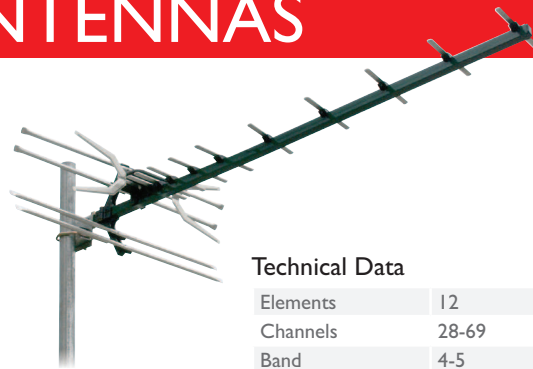
Elements	91
Band	B4, B5
Channels	21-69
Frequency Range	470-860MHz
Max. Gain	16dB
Front/Back Ratio	>26dB
Boom Length	2238mm (split boom)
Cable Connection	'F' Type
Packing Type/Unit	Inner: I Outer: 10
Inner Carton Size	353 x 846 x 82mm
Weight	3kg



## DIGIMATCH UHF ANTENNAS

ANTENNA UHF(28-69) 12 ELEMENT  
(1 PACK)

### 02MM-DR12



#### Technical Data

Elements	12
Channels	28-69
Band	4-5
Channels	28-69
Max. Gain	12.5dB
F/B Ratio	15dB
Balun Type	'F' Type PCB
Boom Length	830mm
Packing Type/Unit	Inner: 1 Outer: 5

ANTENNA UHF(28-69) 12 ELEMENT  
(5 PACK)

### 02MM-DR12P

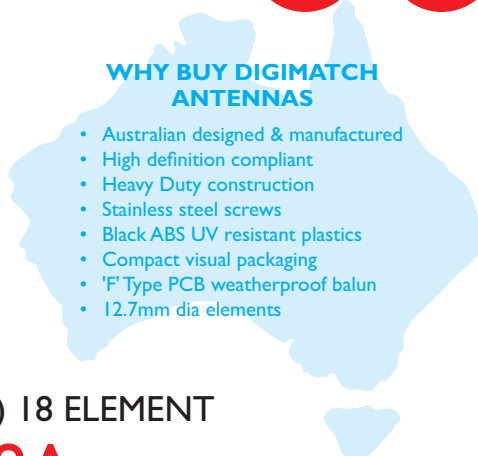


#### Application

Best suited to metropolitan and fringe areas to receive UHF Channels.

#### Features

- X-Type dipole for better performance
- High Definition TV Compliant
- Capable of receiving Digital & Analogue UHF TV Terrestrial Signals
- Improved Gain, VSWR, F/B Ratio
- 'F' Type PCB Balun
- High visual impact packaging



#### WHY BUY DIGIMATCH ANTENNAS

- Australian designed & manufactured
- High definition compliant
- Heavy Duty construction
- Stainless steel screws
- Black ABS UV resistant plastics
- Compact visual packaging
- 'F' Type PCB weatherproof balun
- 12.7mm dia elements

ANTENNA UHF(28-38) 18 ELEMENT

### 02MM-DR18A

Min manufacturing run is 50 units



#### Technical Data

Elements	18
Channels	28-38
Band	4
Channels	28-38
Max. Gain	14dB
VSWR	1.65:1
F/B Ratio	21dB
Balun Type	'F' Type PCB
Boom Length	1919mm
Packing Type/Unit	Min 50

ANTENNA UHF(28-50) 18 ELEMENT

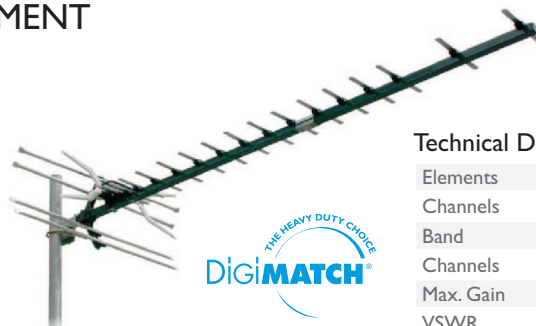
### 02MM-DR18B

#### Application

Best suited to metropolitan and fringe areas to receive UHF Channels.

#### Features

- X-Type dipole for better performance
- High Definition TV Compliant
- Capable of receiving Digital & Analogue UHF TV Terrestrial Signals
- Improved Gain, VSWR, F/B Ratio
- 'F' Type PCB Balun
- High visual impact packaging



#### Technical Data

Elements	18
Channels	28-50
Band	4/5
Channels	28-50
Max. Gain	14dB AV
VSWR	1.5:1
F/B Ratio	20.5dB
Balun Type	'F' Type PCB
Boom Length	1525mm
Packing Type/Unit	Inner: 1 Outer: 5

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# UHF ANTENNAS

## ANTENNA UHF(28-69) 20 ELEMENT

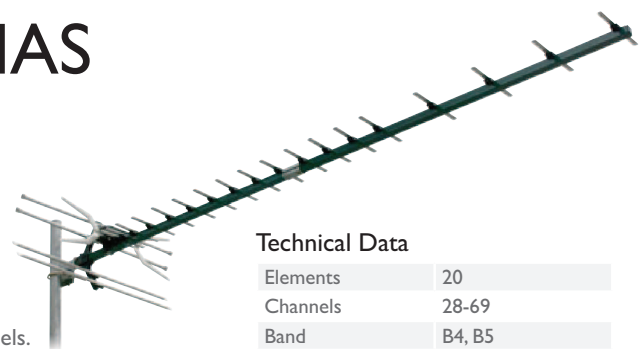
### 02MM-DR20

#### Application

Best suited to metropolitan and fringe areas to receive UHF Channels.

#### Features

- X-Type dipole for better performance
- High Definition TV Compliant
- Capable of receiving Digital & Analogue UHF TV Terrestrial Signals
- Improved Gain, VSWR, F/B Ratio
- 'F' Type PCB Balun
- High visual impact packaging
- Stand off boom, optional extra Part No. 11MM-SMI-15 for vertical mounting



#### Technical Data

Elements	20
Channels	28-69
Band	B4, B5
Channels	28-69
Max. Gain	14.6dB
F/B Ratio	20dB
Balun Type	'F' Type PCB
Boom Length	1692mm
Packing Type/Unit	Inner: 910 x 170 x 100mm Outer: 930 x 530 x 180mm
Weight	1.54kg

# HIGH GAIN WISI

## ANTENNA WISI UHF (21-69)

### PHASED ARRAY (2 PACK)

### 02MM-EE06

## ANTENNA WISI UHF (21-69)

### PHASED ARRAY (1 PACK)

### 02MM-EE06-1

#### Application

Best suited to metropolitan and fringe areas to receive UHF Channels.

#### Features

- Ideal for stacking.
- Best for coastal areas against salt corrosion.
- The Best UHF Phased Array Antenna now has even BETTER performance

Choose the antenna used by TX Australia as their reference antenna.

Ideal for undulating terrain, areas of dense vegetation and high ghosting areas.

- For the best digital compatible 4-dipole phased array
- For the best performance
- For the best weatherproof 'F' Type balun
- For the best in ease of installation
- For the best clamping system
- For the best anti-ghost reflector system
- For the best in German engineering

The 02MM-EE06 has double the power at the high end band 5 where it is needed the most, compensating for cable losses. It also has better VSWR which maintains better multiplex flatness reducing digital dropouts and the clamping system ensures the antenna is kept in desired position giving continued performance and quality pictures through all weather conditions.



#### Technical Data

Elements	20
Band	B4, B5
Channels	21-69
Max. Gain	13.5dB
HPBW Horizontal	46°
Vertical	27°
Wind Loading Horizontal/Vertical	107N
Balun Type	'F' Type PCB
Packing Type/Unit	Inner: 1 Outer: 2
Inner Carton Size	840 x 110 x 690mm
Weight	4.0kg



## UHF LOG PERIODIC

### ANTENNA UHF 'F' TYPE LOG PERIODIC BAND 4 & 5 UHF(28-69) **02MM-LP45F**

**Application**  
Best suited to B4 & B5 areas

- Features**
- UHF (28-69)
  - Digital Compatible
  - Suitable for Band 4 / 5 areas
  - Can be used in vertical or horizontal polarised areas
  - 7.5dB Gain - more power - less dropouts
  - Heavy Duty 7mm foldable elements provides better bandwidth and stronger to withstand weather elements
  - 'F' Type PCB circuit board design eliminates short circuits and improves return loss
  - Snap lock design for fast installation
  - Black UV resistant plastics for durability



**'F' Type  
Balun**

**Technical Data**

Elements	16
Band	B4 & B5
Channels	28-69
Max. Gain	7dB
F/B Ratio	10dB
Balun Type	'F' Type PCB
Packing Type/Unit	Inner: 1 Outer: 5



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