

Model AJ1 E.

GAMMA-MATCH DIPOLE ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

Model Impedance 50 ohm.

Frequency Range 87.5 - 108 MHz. (4-5 MHz) Gain 0 dB. (ref.to half wave dipole) Polarization linear horizontal or vertical Combinations

The antenna is especially suitable as a component in

array to achieve various radiation patterns.

VSWR

Connectors Type Request

800W.max LC or 7/16 Female 2000W.max 7/8 Female 3000W.max

Mechanical Data

Hardware pole mounting Dimensions Weight Materials Radiator

Materials: Mounting hardware

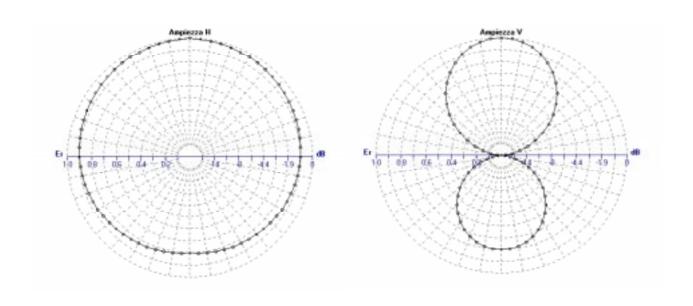
Insulator Dipole

Depending of frequency tuning Depending of frequency tuning

inox stainless steel, aluminium, ptfe, copper.

Galvanized steel PTFE (Teflon) stainless steel Aluminium, Copper

RADIATION PATTERN



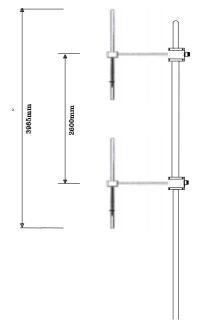
H Plane V Plane

Model AJ1 Ex2 - AJ1 Ex2 HP

TWO GAMMA-MATCH DIPOLE **ANTENNA SYSTEM**

FM BAND 87.5-108 MHz.

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Electrical Data

VSWR

Max Power

Model AJ1 Ex2 - AJ1 Ex2 HP Impedance

50 ohm.

Frequency Range 87.5 - 108 MHz. (4-5 MHz) Gain 4 dB. (ref.to half wave dipole) Polarization linear horizontal or vertical Combinations

The antenna is especially suitable as a component in array to achieve various radiation patterns.

< 1.1

800 W (AJ1 Ex2) 1000 W (AJ1 Ex2 HP)

System composition

AJ1Ex2 - 2 AJ1 E, 2 ways wide-band splitter with N-type connectors and 2 coaxial

AJIEx2 + Part E, 2 ways wide-band splitter with 14-type connectors and 2 co. cables RG213 with N-type end connectors.

AJIEx2 HP - 2 AJI E, 2 ways wide-band splitter (Input EIA 7/8" flange and N-type connectors output) and 2 coaxial cables RG213 with N-type end connectors.

Mechanical Data

30 - 100 mm. Hardware pole mounting

Depending of frequency tuning Dimensions Weight Depending of frequency tuning

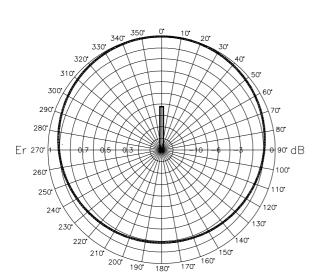
Materials inox stainless steel, aluminium, ptfe, copper.

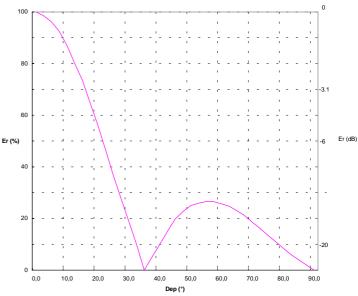
Radiator

Materials: Mounting hardware

Galvanized steel Insulator PTFE (Teflon) Dipole stainless steel Aluminium, Copper Internal

Horizontal Pattern (F=98 MHz)



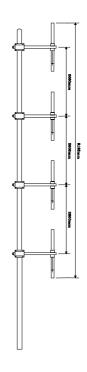


Model AJ1 Ex4.- AJ1 Ex4HP

FOUR GAMMA-MATCH DIPOLE **ANTENNA SYSTEM**

FM BAND 87.5-108 MHz.

- ECONOMICAL
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- DIFFERENT VERSIONS



Electrical Data

Model Impedance

87.5 - 108 MHz. (4-5 MHz) Frequency Range 7 dB. (ref.to half wave dipole) Gain Polarization linear horizontal or vertical The antenna is especially suitable as a component in Combinations array to achieve various radiation patterns.

50 ohm.

AJ1 Ex4 - AJ1 Ex4HP

VSWR

System composition

AJ1Ex4 - 4 AJ1 E, 4 ways wide-band splitter with N-type connectors and 4 coaxial cables RG213 with N-type end connectors.

AJ1Ex4 HP - 4 AJ1 E, 4 ways wide-band splitter (Input EIA 7/8" flange and N-type connectors output) and 4 coaxial cables RG213 with N-type end connectors.

Mechanical Data

Hardware pole mounting 30 - 100 mm.

Depending of frequency tuning Dimensions Weight Materials Depending of frequency tuning

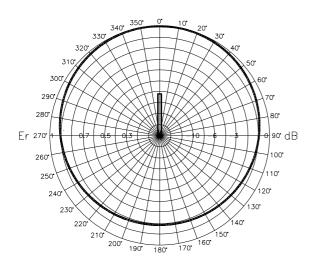
inox stainless steel, aluminium, ptfe, copper.

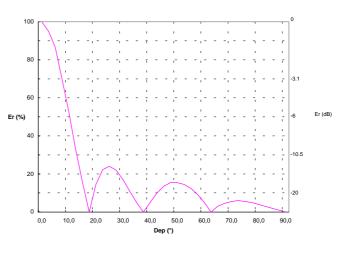
Radiator

Materials: Mounting hardware Galvanized steel

Insulator PTFE (Teflon) Dipole stainless steel Aluminium, Copper Internal

Horizontal Pattern (F=98 MHz)





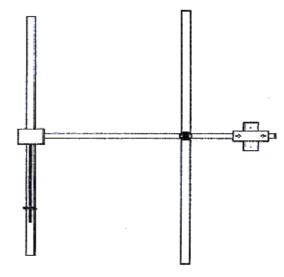
TUNED DIRECTIVE ANTENNAS

Model AJ2 E.

2 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

Model Impedance Frequency Range Gain Polarization Combinations

AJ2 E 50 ohm. 87.5 - 10

87.5 - 108 MHz. (4-5 MHz)
5 dB. (ref.to half wave dipole)
linear horizontal or vertical
The antenna is especially suitable as a component in
array to achieve various radiation patterns.

VSWR <

Mechanical Data

Hardware pole mounting Dimensions Weight

Materials Radiator

Materials: Mounting hardware

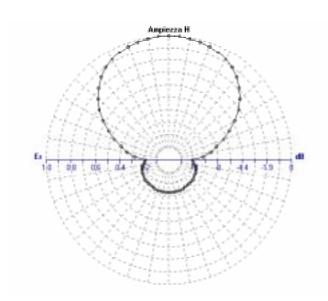
Insulator Dipole Internal 30 - 100 mm.

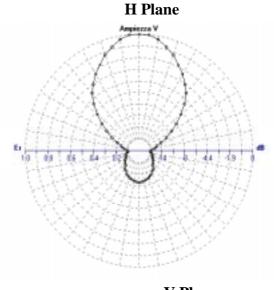
Depending of frequency tuning Depending of frequency tuning

inox stainless steel, aluminium, ptfe, copper.

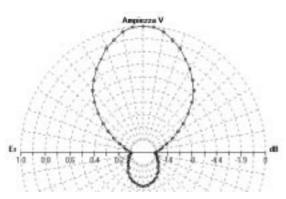
Galvanized steel PTFE (Teflon) stainless steel Aluminium, Copper

RADIATION PATTERNS







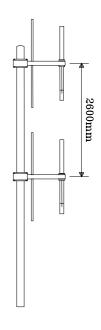


Model AJ2 Ex2.

TWO 2 ELEMENTS TUNED YAGI ANTENNA SYSTEM

FM BAND 87.5-108 MHz.

- ECONOMICAL
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- DIFFERENT VERSIONS



Electrical Data

 Model
 AJ2 Ex2

 Impedance
 50 ohm.

 Frequency Range
 87.5 - 108 MHz. (4-5 MHz)

Gain 8 dB. (ref.to half wave dipole)
Polarization linear horizontal or vertical
Combinations The antenna is especially suitable as a component in array to achieve various radiation patterns.

VSWR < 1.1

Mechanical Data

Dimensions Weight Materials Radiator

Materials: Mounting hardware

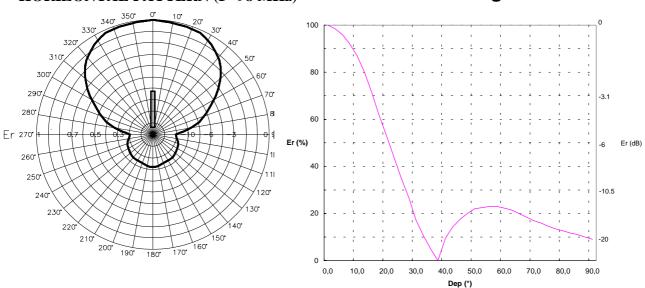
Insulator
Dipole
Internal

Depending of frequency tuning Depending of frequency tuning

inox stainless steel, aluminium, ptfe, copper.

Galvanized steel PTFE (Teflon) stainless steel Aluminium, Copper

HORIZONTAL PATTERN (F=98 MHz)

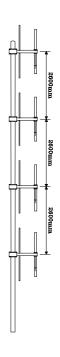


Model AJ2 Ex4.

FOUR 2 ELEMENTS TUNED YAGI **ANTENNA SYSTEM**

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

AJ2 Ex4 Model Impedance 50 ohm.

87.5 - 108 MHz. (4-5 MHz) Frequency Range 11dB. (ref.to half wave dipole) Gain Polarization linear horizontal or vertical The antenna is especially suitable as a component in Combinations array to achieve various radiation patterns.

VSWR

Mechanical Data

Dimensions Weight Materials Radiator

Materials: Mounting hardware

Insulator Dipole Internal

Depending of frequency tuning Depending of frequency tuning

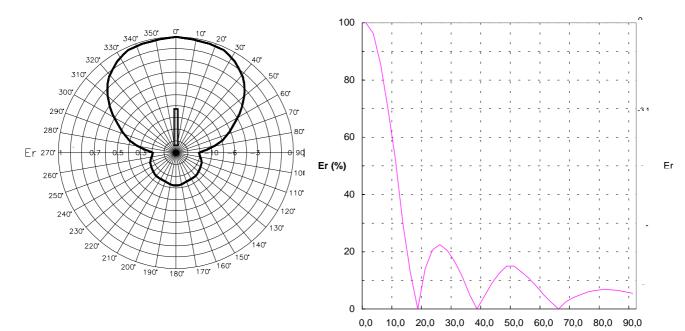
inox stainless steel, aluminium, ptfe, copper.

Galvanized steel PTFE (Teflon) stainless steel Aluminium, Copper

HORIZONTAL PATTERN (F=98 MHz)

Vertical Diagram

Dep (°)

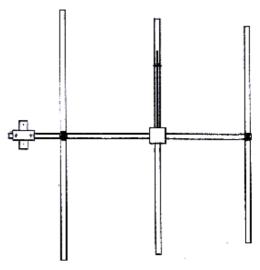


Model AJ3 E.

3 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

Model AJ3 E Impedance 50 ohm. Frequency Range 87.5 - 10

Frequency Range
Gain
7dB. (ref.to half wave dipole)
Polarization
Combinations
1near horizontal or vertical
The antenna is especially suitable as a component in array to achieve various radiation patterns.

VSWR < 1.1

Mechanical Data

Dimension Weight Materials Radiator

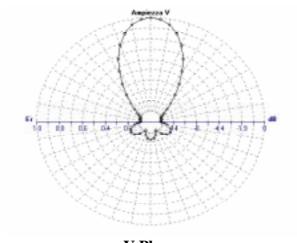
Materials: Mounting hardware Insulator

Dipole Internal Depending of frequency tuning Depending of frequency tuning

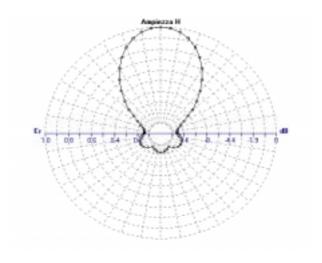
inox stainless steel, aluminium, ptfe, copper.

Galvanized steel PTFE (Teflon) stainless steel Aluminium, Copper

RADIATION PATTERNS (F=98 MHz)



V Plane

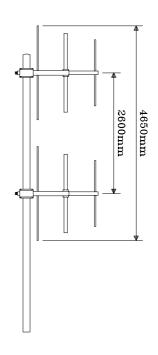


Model AJ3 Ex2.

TWO 3 ELEMENTS TUNED YAGI **ANTENNA**

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

AJ3 Ex2 Model Impedance 50 ohm.

87.5 - 108 MHz. (4-5 MHz) Frequency Range 10dB. (ref.to half wave dipole) Gain Polarization linear horizontal or vertical The antenna is especially suitable as a component in Combinations array to achieve various radiation patterns. < 1.1

VSWR

Mechanical Data

Dimensions Weight Materials Radiator

Materials: Mounting hardware

Insulator Dipole Internal

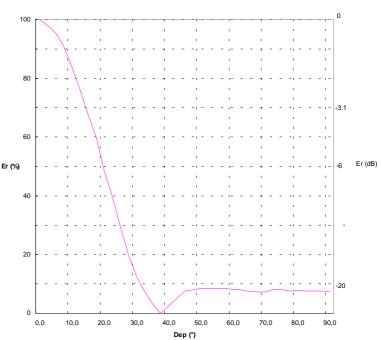
Depending of frequency tuning Depending of frequency tuning inox stainless steel, aluminium, ptfe, copper.

Galvanized steel PTFE (Teflon) stainless steel

Aluminium, Copper

HORIZONTAL PATTERN (F=98MHz)

280 90° dB Er 270° 100 260

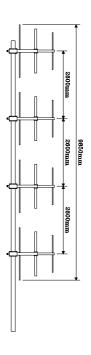


Model AJ3 Ex4.

FOUR 3 ELEMENTS TUNED YAGI **ANTENNA**

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

AJ3 Ex4 Model Impedance 50 ohm.

87.5 - 108 MHz. (4-5 MHz) Frequency Range 13dB. (ref.to half wave dipole) Gain linear horizontal or vertical Polarization The antenna is especially suitable as a component in Combinations array to achieve various radiation patterns. < 1.1

VSWR

Mechanical Data

Dimensions Weight Materials Radiator

Materials: Mounting hardware

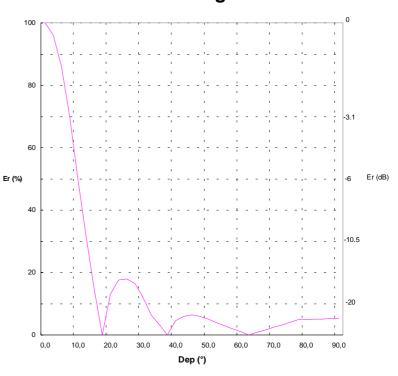
Insulator Dipole Internal

Depending of frequency tuning Depending of frequency tuning inox stainless steel, aluminium, ptfe, copper.

Galvanized steel PTFE (Teflon) stainless steel Aluminium, Copper

HORIZONTAL PATTERN (F=98 MHz)

320 310 300 290 280 80 Er 270° e 90° dB 100 260 110

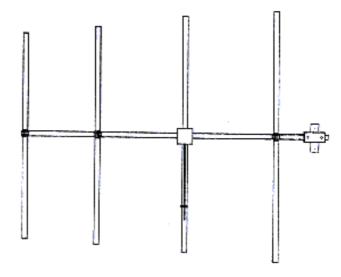


Model AJ4 E.

4 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

AJ4 E Model Impedance

AJ4 E
50 ohm.
87.5 - 108 MHz. (4-5 MHz)
8 dB. (ref.to half wave dipole)
linear horizontal or vertical
The antenna is especially suitable as a component in
array to achieve various radiation patterns.
< 1.1 Frequency Range Gain Polarization Combinations

VSWR

Mechanical Data

Dimensions Weight Materials Radiator

Materials: Mounting hardware

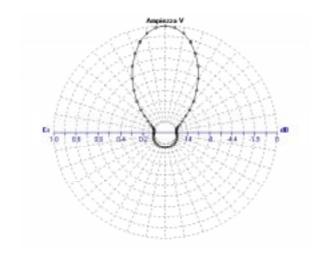
Insulator Dipole

Depending of frequency tuning Depending of frequency tuning

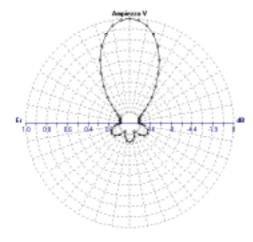
inox stainless steel, aluminium, ptfe, copper.

Galvanized steel PTFE (Teflon) stainless steel Aluminium, Copper

RADIATION PATTERNS



V Plane

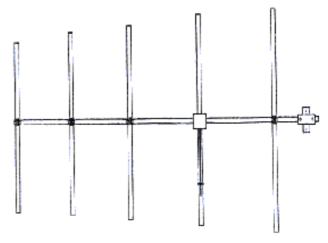


Model AJ5 E.

5 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

 Model
 AJ5 E

 Impedance
 50 ohm.

 Frequency Range
 87.5 - 108 MHz. (4-5 MHz)

Gain 9.5 dB. (ref.to half wave dipole)
Polarization linear horizontal or vertical
Combinations The antenna is especially suitable as a component in array to achieve various radiation patterns.

VSWR < 1.1

Mechanical Data

Dimensions Weight Materials Radiator

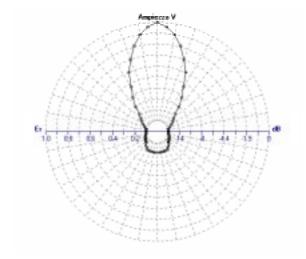
Materials: Mounting hardware

Insulator Dipole Internal Depending of frequency tuning Depending of frequency tuning

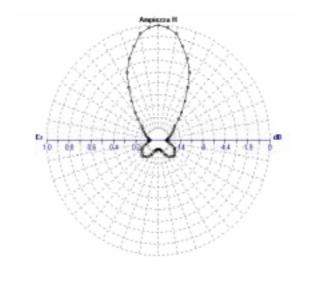
inox stainless steel, aluminium, ptfe, copper.

Galvanized steel PTFE (Teflon) stainless steel Aluminium, Copper

RADIATION PATTERNS (F=98 MHz)



V Plane



H Plane