

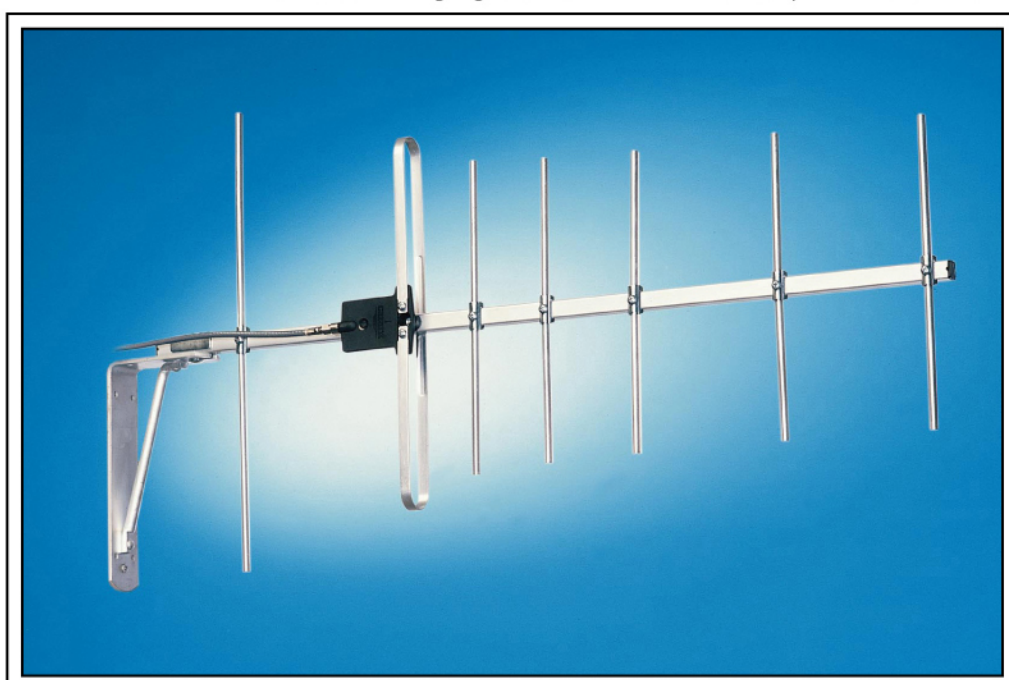


ABY7

**FIXED
WIRELESS
COMMUNICATION**



Broadband high-gain directional antenna, 380-500 MHz



Directional antenna to increase system operating range

The ABY7 directional antenna is designed for enhanced broadband directional RF radiation in the frequency range 380-500 MHz. It meets rigorous criteria for high performance and extended operating range in fixed wireless networks.

Long service life is ensured by high-quality materials and a moulded watertight balun.

The Carant ABY series of outdoor wall-mounted antennas has been developed specifically for fixed wireless networks. ABY antennas have demonstrated outstanding performance and reliability worldwide, in commercial networks from leading international suppliers of telecommunications equipment.

Carant antennas support all major standards used in fixed wireless networks.

Benefits

- Excellent performance at very competitive price
- Long service life
- DC-grounding to protect subscriber equipment
- Easily installed and aligned
- Ready to use, no assembly required

Carant

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WIRELESS
COMMUNICATION**



ABY7

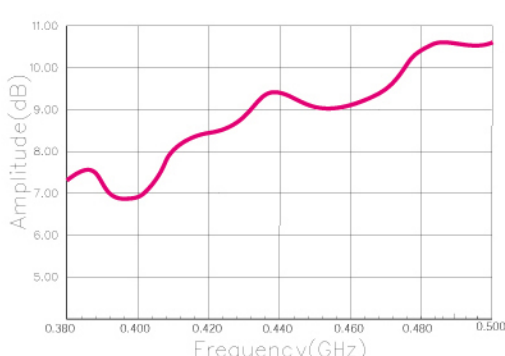


SPECIFICATIONS

Broadband high-gain directional antenna, 380-500 MHz

ELECTRICAL DATA

| | |
|---------------------|-----------------|
| Frequency range | 380-500 MHz |
| Nominal impedance | 50 Ω |
| Gain | 9 dBi @ 450 MHz |
| See figure at right | |
| VSWR | < 1.8:1 |
| F/B ratio | >15 dB |
| Maximum input power | 15 W |
| Polarization | Vertical |
| Connector type | FME-m |



MECHANICAL DATA

| | |
|---------------------------|----------------------|
| Support boom material | Aluminium alloy |
| Element material | Aluminium alloy |
| Mounting bracket material | Aluminium alloy |
| Antenna dimensions | 720x400x40 mm |
| Antenna weight | 290 g |
| Mounting bracket weight | 160 g |
| Maximum wind speed | 25 m/s |
| Flat plate equivalent | 0.045 m ² |
| Ambient temperature | -40°C - +70°C |
| Ambient humidity | Max. 98% |

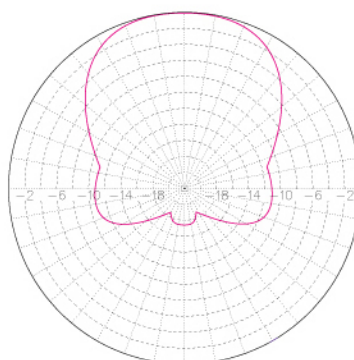
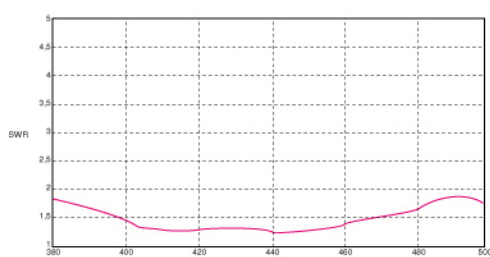
Tested according to standards: IEC68-2-1:Ab/Ad
IEC68-2-2:Bb/Bd
IEC68-2-14:Na
IEC68-2-56:Cb
IEC68-2-11:Ka

SHIPPING DATA

| | |
|--------------------|---------------|
| Package weight | 830 g |
| Package dimensions | 740x420x45 mm |

OPTIONAL ACCESSORIES

| |
|---|
| Matching low-loss cable with FME-connectors |
| Adjustable mast-mount kit for mast 30-50 mm |



Typical radiation pattern

For more information on how the ABY7 can be customized to your requirements, please contact our Marketing Department.

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