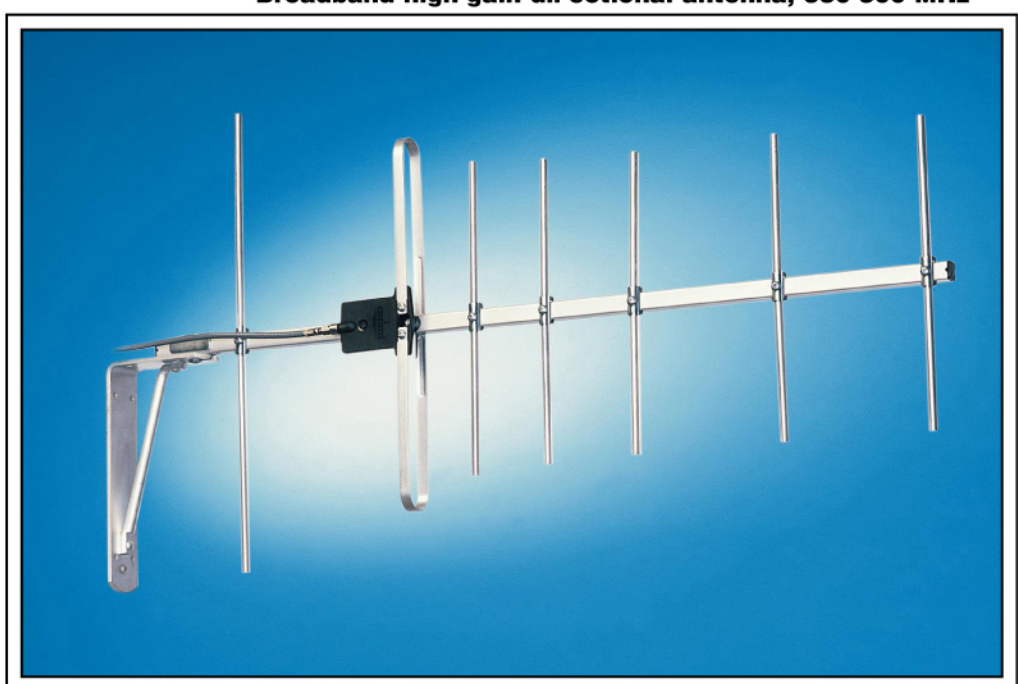




# ABY7LB

**Broadband high-gain directional antenna, 350-500 MHz**



## Extended network range, long service life

The ABY7LB directional antenna is designed for enhanced broadband directional RF radiation in the frequency range 350-500 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**

**CARANT ANTENNA** H-9028 Győr, Török Ignác u. 66., Hungary  
Phone: +36 96 516 010 Fax: +36 96 516 016 e-mail: carant@carant.hu



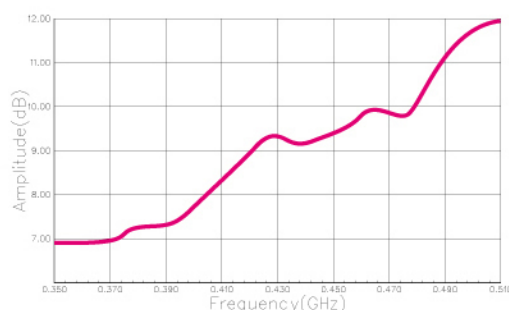
# ABY7LB



## SPECIFICATIONS

**Broadband high-gain directional antenna, 350-500 MHz**

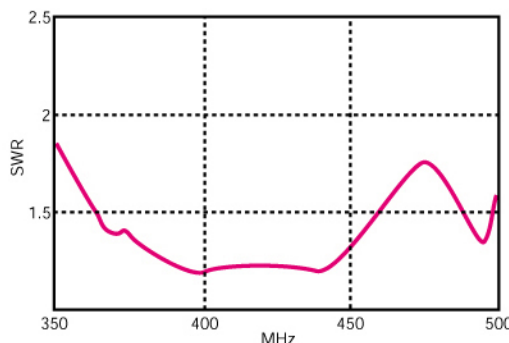
ELECTRICAL DATA	
Frequency range	350-500 MHz
Nominal impedance	50 Ω
Gain	9 dBi @ 425 MHz
See figure at right	
VSWR	< 1.8:1
F/B ratio	>15 dB
Maximum input power	15 W
Polarization	Vertical
Connector type	FME-m



Typical antenna gain

MECHANICAL DATA	
Support boom material	Aluminium alloy
Element material	Aluminium alloy
Mounting bracket material	Aluminium alloy
Antenna dimensions	770x420x40 mm
Antenna weight	290 g
Mounting bracket weight	160 g
Maximum wind speed	25 m/s
Flat plate equivalent	0.045 m²
Ambient temperature	-40°C - +70°C
Ambient humidity	Max. 98%

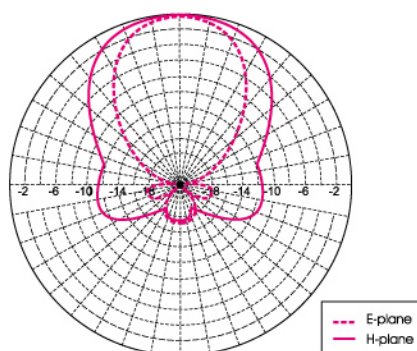
Tested according to standards: IEC68-2-1:Ab/Ad  
IEC68-2-2:Bb/Bd  
IEC68-2-14:Na  
IEC68-2-56:Cb  
IEC68-2-11:Ka



Typical VSWR diagram

SHIPPING DATA	
Package weight	850 g
Package dimensions	790x440x45 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 ABY7LB can be customized to your requirements, please contact our Marketing Department.

**Carant**