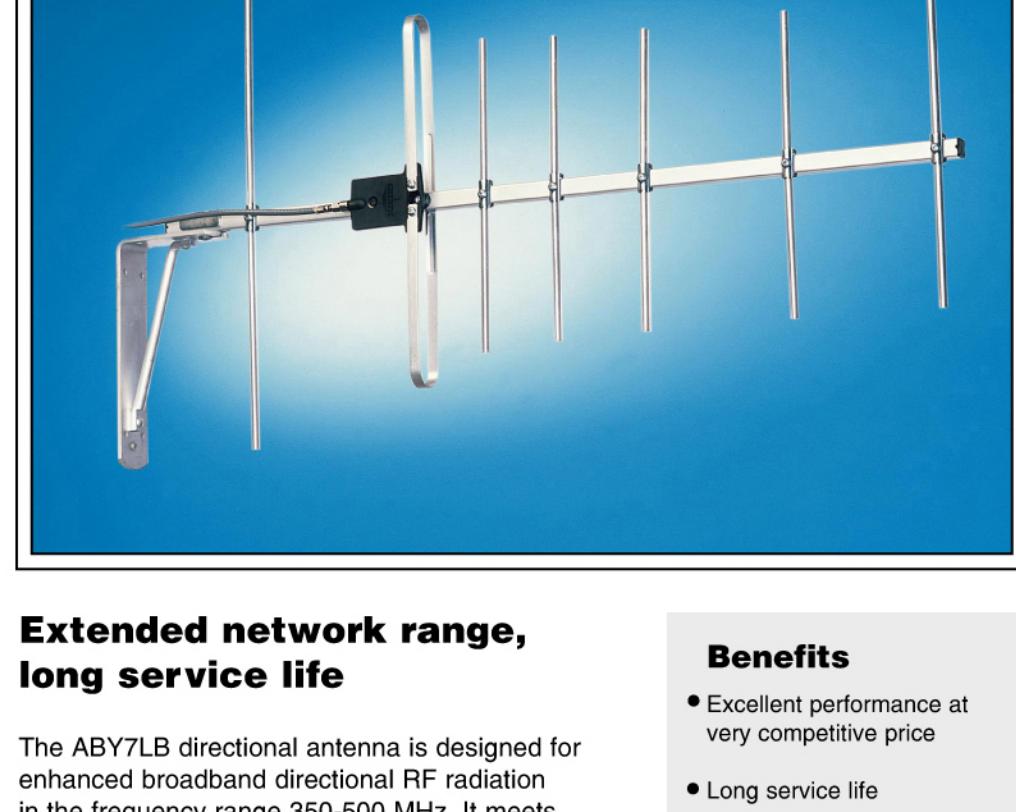


# ABY7LB

FIXED  
WIRELESS  
COMMUNICATION



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



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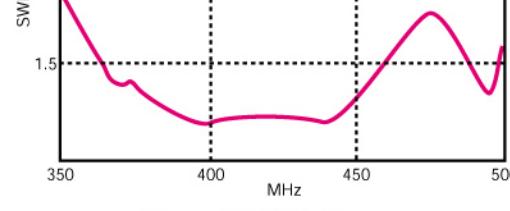
# ABY7LB



## SPECIFICATIONS

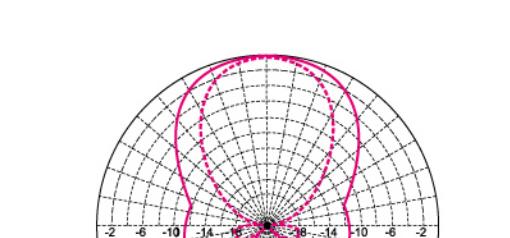
Broadband high-gain directional antenna, 350-500 MHz

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



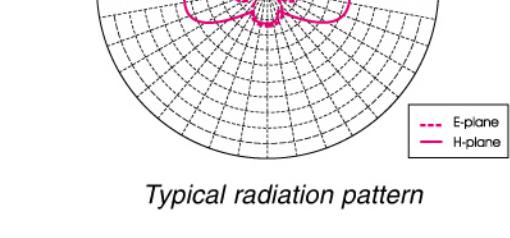
Typical antenna gain

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 m <sup>2</sup>
Ambient temperature	-40°C - +70°C
Ambient humidity	Max. 98%



Typical VSWR diagram

SHIPPING DATA	
Package weight	850 g
Package dimensions	790x440x45 mm



Typical radiation pattern

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

For more information on how the ABY7LB can be customized to your requirements, please contact our Marketing Department.

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