

# COLU-050/2B

## FIXED COLLINEAR ANTENNA OMNIDIRECTIONAL UHF

Collinear antenna with 5.0 dBi gain for the UHF band.

Constructed of aluminum, this antenna is suitable for repeater stations.

It has a low radiation angle, ensuring excellent coverage on uneven terrain.

Due to its technical characteristics, this antenna is especially suitable for high-traffic radio communication systems.

Partnumber	Model	Range
502283	COLU-050/2B	450 / 470 MHz

ELECTRICAL SPECIFICATIONS	
VSWR	≤ 1,5:1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	350 Watts
1/2 power angle	Vertical 460 MHz 34°

MECHANICAL SPECIFICATIONS	
Gondola diameter	44,45 mm
Gondola length	2000 mm
Weight	1,800 Kg
Area exposed to wind	0,473 m <sup>2</sup>
Connector	N female
Basic material	Aluminum
Operational wind	≥ 110Km/h
Survival wind	≥ 200Km/h

GAIN	SETTINGS
5.0 dBi	Dipole as opposed to a tower
4.5 dBi	Offset dipole (using the tower as a reflector)

