

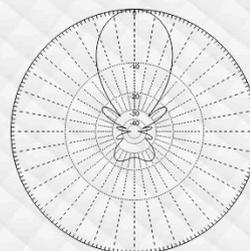
# DIRU-140/10E

## DIRECTIONAL ANTENNA YAGI 10 ELEMENTS

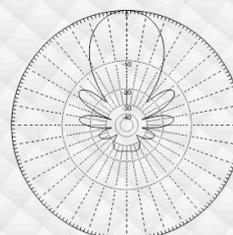
High-gain YAGI-type directional antenna, made of special aluminum alloy, with excellent mechanical resistance and high electrical conductivity.

The antenna is designed to prevent the accumulation of electrostatic charges on the coaxial cable. This feature provides greater protection for equipment and reduces noise levels, allowing for optimal reception of distant signals.

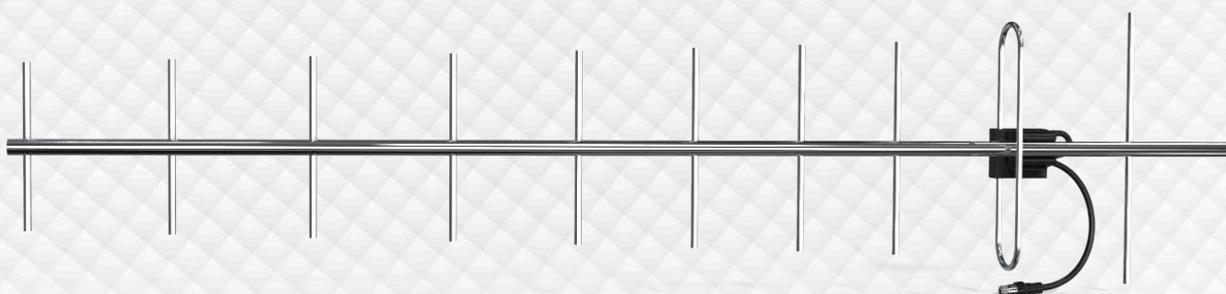
In addition to being lightweight and easy to install, it does not require field adjustments to ensure its VSWR remains below 1.5:1 throughout the operating frequency range.



Horizontal polarization



Vertical polarization



Partnumber	Model	Range
504103	DIRU-140/10E	380 / 400 MHz

ELECTRICAL SPECIFICATIONS	
VSWR	$\leq 1,5 : 1$
Polarization	Vertical / Horizontal
Nominal impedance	50 $\Omega$
Maximum power	200 Watts
Gain	14 dBi
Front to back ratio	$\geq 20$ dB
1/2 power angle	Horizontal 380 MHz 38°
1/2 power angle	Vertical 400 MHz 42°
Connector	N female
Lightning protection	Grounded elements

MECHANICAL SPECIFICATIONS	
Width / Diameter	407 mm
Weight	1,400 Kg
Total length	1810 mm
Fixation	35 mm metal tube
Area exposed to wind	0,2053 m <sup>2</sup>
Basic material	Aluminum
Operational wind	$\geq 110$ Km/h
Wind of survival	$\geq 200$ Km/h