

# DIRU-140/10F

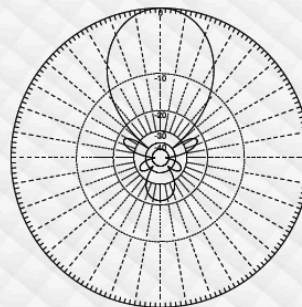
## DIRECTIONAL ANTENNA YAGI WITH 10 ELEMENTS

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

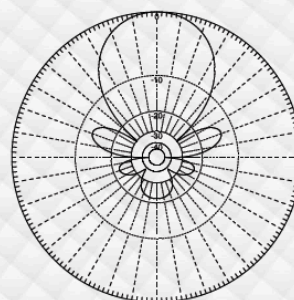
The antenna is designed to prevent the build-up of electrostatic charges in the coaxial cable.

This feature allows for greater equipment protection and noise level reduction, allowing for optimal reception of distant signals.

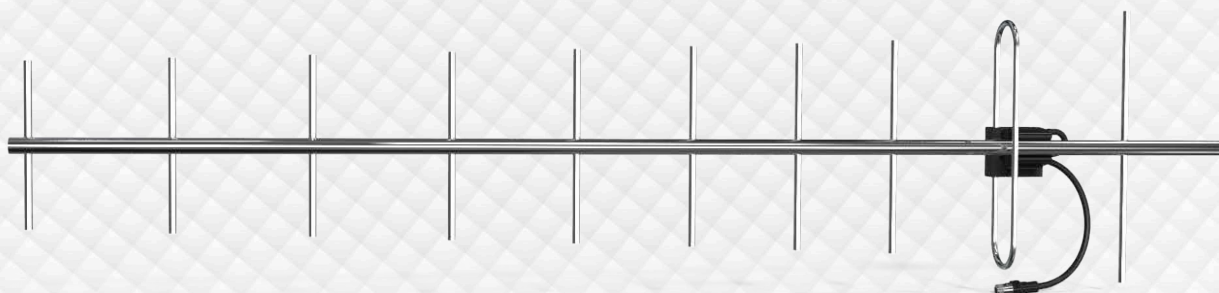
In addition to being light weight and easy to install, it does not require field adjustments so that its VSWR remains below 1.5:1 across the entire operating frequency range.



POLARIZAÇÃO HORIZONTAL



POLARIZAÇÃO VERTICAL



Code	Model	Range
504302	DIRU-140/10F	440 / 470 MHz

ELECTRICAL SPECIFICATIONS	
VSWR	$\leq 1,5 : 1$
Polarization	Vertical / Horizontal
Nominal impedance	50 $\Omega$
Maximum power	100 Watts
Gain	14 dBi
Front-to-back relationship	$\geq 20$ dB
1/2 power angle	Horizontal 38°
1/2 power angle	Vertical 42°
Connector	N female
Lightning protection	Grounded elements

MECHANICAL SPECIFICATIONS	
Width / Diameter	407 mm
Weight	1,400 Kg
Total length	1810 mm
Fixation	Metal tube 35 mm
Wind exposure area	0,2254 m <sup>2</sup>
Basic material	Aluminum
Operating wind	$\geq 110$ Km/h
Wind of survival	$\geq 200$ Km/h