

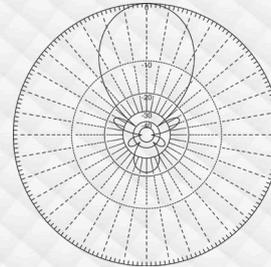
# DIRU-110/7F

## UHF DIRECTIONAL ANTENNA YAGI WITH 7 ELEMENTS

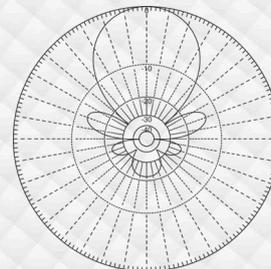
High gain YAGI type directional antenna, made of special aluminum alloy, with excellent mechanical strength and high electrical conductivity.

The antenna was designed to avoid the accumulation of electrostatic charges in the coaxial cable. This feature allows greater protection of the equipment and a reduction in noise level, allowing optimal reception of distant signals.

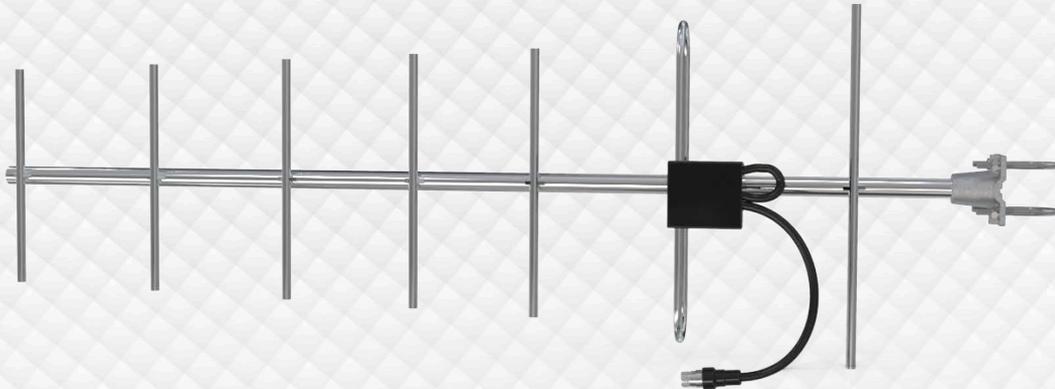
In addition to being lightweight and easy to install, it requires no field adjustments to keep its VSWR below 1.5:1 over the entire operating frequency range.



Horizontal Polarization



Vertical Polarization



Code	Model	Range
504300	DIRU-110/7F	440 / 470 MHz

ELECTRICAL SPECIFICATIONS	
VSWR	$\leq 1,5 : 1$
Polarization	Vertical / Horizontal
Nominal impedance	50 $\Omega$
Maximum power	100 Watts
Revenue	10 dBi
Coast-front relationship	$\geq 20$ dB
$\frac{1}{2}$ power angle	Horizontal 44°
$\frac{1}{2}$ power angle	Vertical 52°
Connector	N female
Lightning protection	Grounded elements

MECHANICAL SPECIFICATIONS	
Broad	322 mm
Weight	0,940 Kg
Total length	1131 mm
Fixing	Metal tube 35 mm
Wind exposure area	0,1414 m <sup>2</sup>
Basic material	Aluminum
Wind of operation	$\geq 110$ Km/h
Wind of survival	$\geq 200$ Km/h

