

ASA-100MUI

OMNIDIRECTIONAL MOBILE ANTENNA 1/4 WAVE

The ASA-100MUI is an omnidirectional antenna designed for UHF radio communication. The antenna has a magnetic base, compact dimensions, and is suitable for vehicle-mounted mobile stations.

With a gain of 2.15 dBi, its stainless steel radiating element, 1.5 mm in diameter, forms a 1/4 wave vertical monopole.

The antenna's base features a chrome-plated stainless steel spring for flexibility and robustness. The internal electrical contact of the NMO base is maintained by the pressure of the stainless steel spring on a nickelplated brass pin.

Partnumber	Model	Range	Connector
501640	ASA-100MUI	430/470 MHz	UM-6
501641	ASA-100MUI	430/470 MHz	UM-5
501642	ASA-100MUI	430/470 MHz	BM-64

ELECTRICAL SPECIFICATIONS

VSWR	≤ 1,5 : 1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	100 Watts
Gain	2,15 dBi
Coaxial cable	RG-58 (5 meters)

MECHANICAL SPECIFICATIONS

Rod diameter	1,5 mm
Total length	240 mm
Peso	0,767 Kg
Fixation	Magnetic base
Area exposed to wind	0,01458 m ²
Finishing	Chrome
Basic material	Stainless steel / polycarbonate
Withstands winds of up to	150 Km/h

ROD CUTTING CHART

MHz	L (mm)
337 / 378	208
350 / 401	200
364 / 425	192
372 / 432	185
379 / 450	176
440 / 473	164

Note: Values measured between the NMO base and the top of the rod.

